

1376-15

CHAIN BELT COMPANY OF MILWAUKEE

BULLETIN No. 404



DEC 28 1942

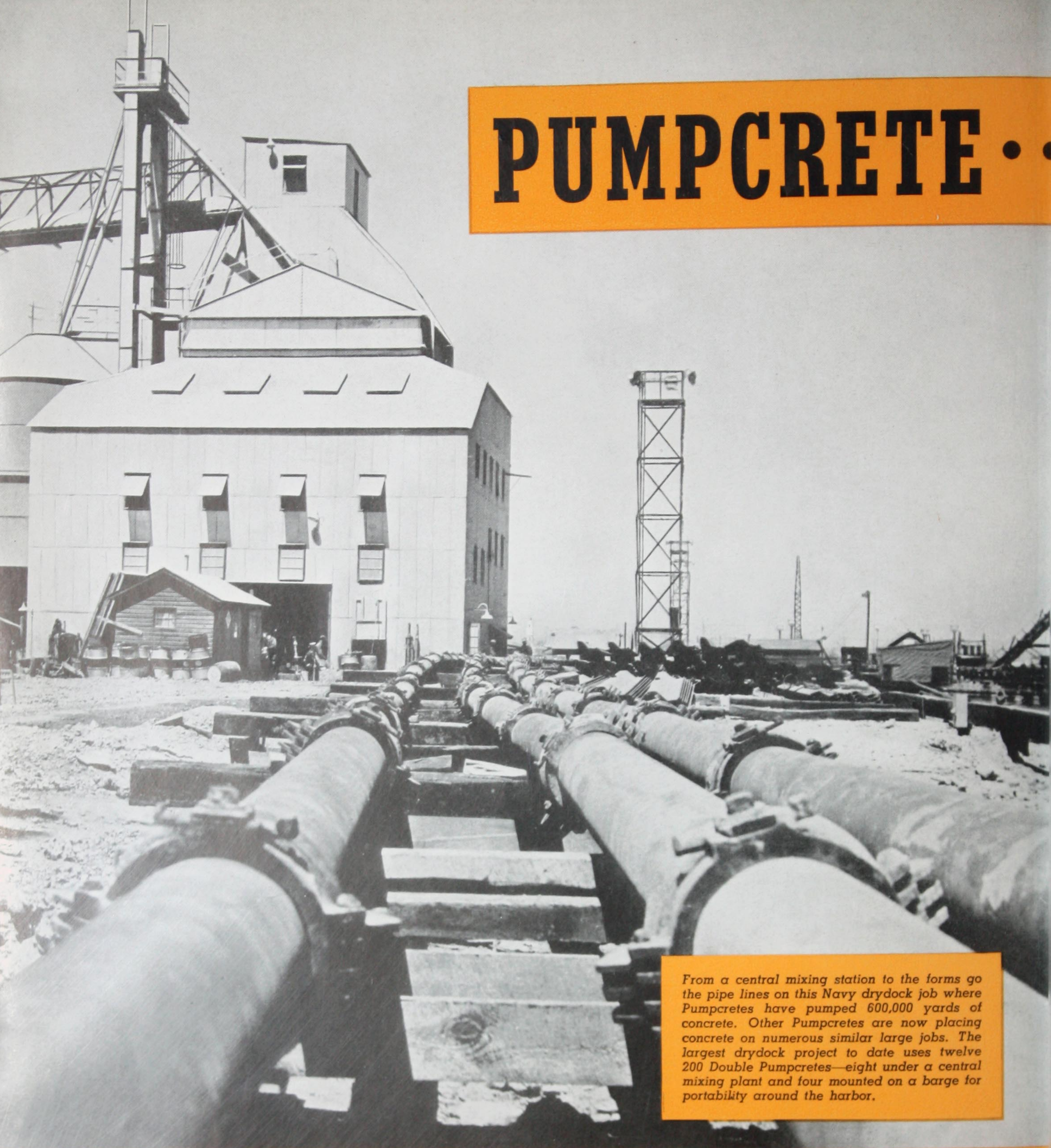
Pumps



PUMPCRETE

THE PUMP THAT PUMPS CONCRETE

PUMPCRETE •



From a central mixing station to the forms go the pipe lines on this Navy drydock job where Pumpcretes have pumped 600,000 yards of concrete. Other Pumpcretes are now placing concrete on numerous similar large jobs. The largest drydock project to date uses twelve 200 Double Pumpcretes—eight under a central mixing plant and four mounted on a barge for portability around the harbor.

PROVED...ON EVERY T

DRYDOCKS
SHIPWAYS AND
OUTFITTING PIERS



ORDNANCE DEPOTS
SEAPLANE BASES AND
AIRPLANE FACTORIES



BRIDGES
VIADUCTS
OVERPASSES AND
UNDERPASSES



OUTSTANDING TOOL OF THE CONCRETE CONSTRUCTION INDUSTRY!

PUMPCRETE, America's only concrete pump, has come of age! Rapidly since its introduction in 1932 — and at an accelerated pace during the past few years — the cost-cutting abilities of the Rex Pumpcrete and its pipe line have become identified with more and more concrete structures of all sizes and all classifications. To men throughout the construction industry, Pumpcrete has become a standard tool, to be used consistently on job after job; to be looked upon as a factor which means savings in cost and time and which will permit speeding up all other operations on the job with a consequent reduction in overhead.

The Reasons for This Success

The reasons for Pumpcrete's remarkable record of pumping millions of yards of concrete in a few years are simple. Pumpcrete takes concrete placing out of the "lift-and-carry" category and makes it a simple pump and pipe-line proposition.

It saves time and money formerly spent in erecting and operating buggy-runs, chutes, hoists, towers, and other old-fashioned equipment.

It simplifies difficult jobs.

It permits a more orderly, economical job progress.

It is a direct link between mixing unit and forms — often eliminating rehandling equipment.

It does all this — and it does it consistently on jobs ranging in type and size from the Navy's largest drydocks to the simplest culvert or foundation.

Read the latest facts about the fastest growing method of placing concrete in the following sections of this bulletin: **Section 2**, The Size and Type for Your Work; **Section 3**, America's Only Concrete Pump; **Section 4**, Pipeline Handling; **Section 5**, Pipeline Facts; **Section 6**, What Are Pumpcrete Jobs?; **Section 7**, Questions and Answers; **Section 8**, What Pumpcrete Has Done; **Section 9**, Pipeline Set-ups; **Section 10**, Dimensions and Specifications.

PE OF CONCRETE JOB!

COMMERCIAL,
INDUSTRIAL, AND
WIDE AREA PLANTS



TUNNELS
CONDUITS
AND SEA WALLS

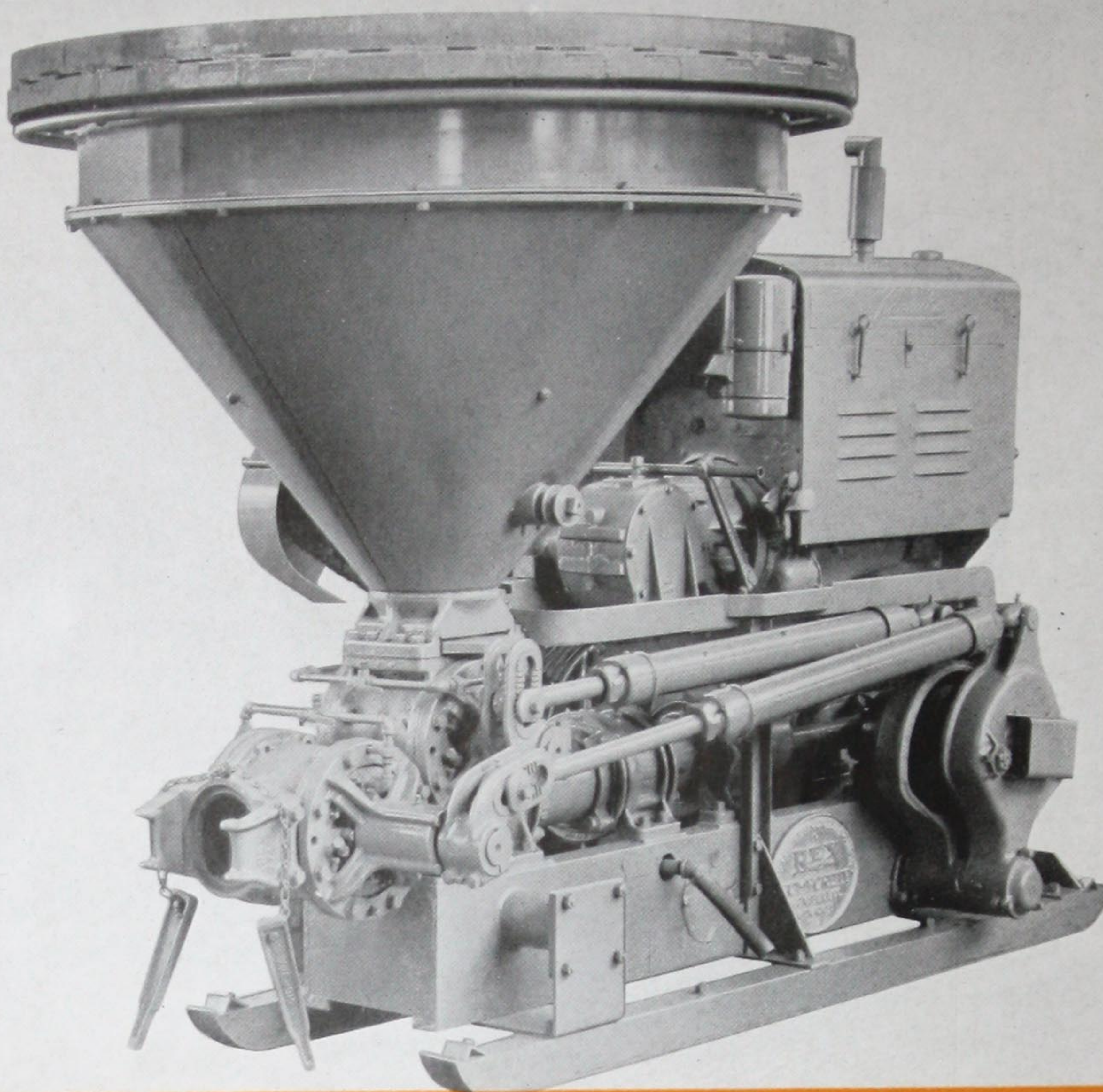


HYDRO-ELECTRIC AND
FLOOD CONTROL DAMS
SPILLWAYS AND
POWER HOUSES



REX 160 SINGLE PUMPCRETE

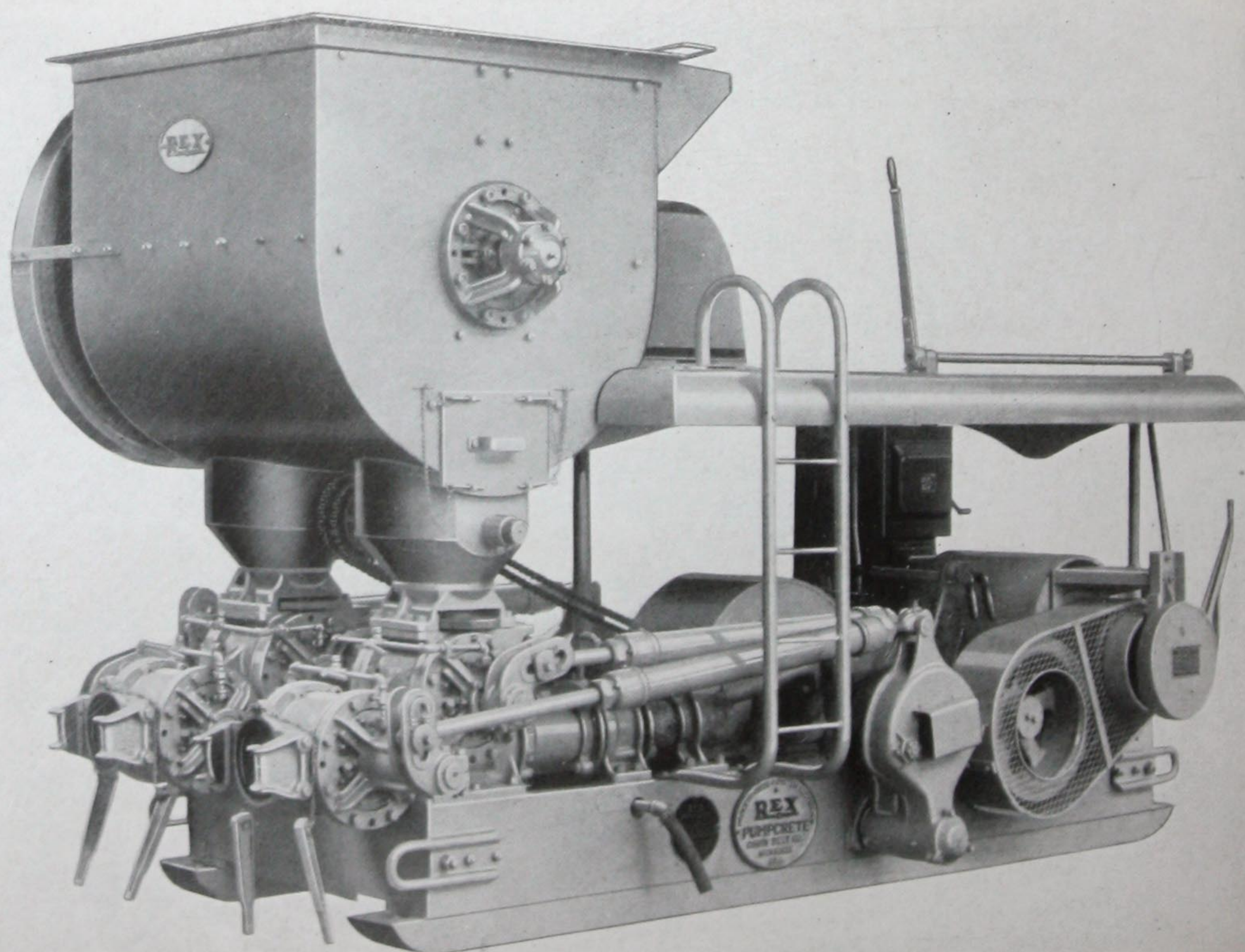
With rotary re-
mixer. For use
with 6" or 7"
pipe. Capacity
15 to 20 cu. yds.
per hour.



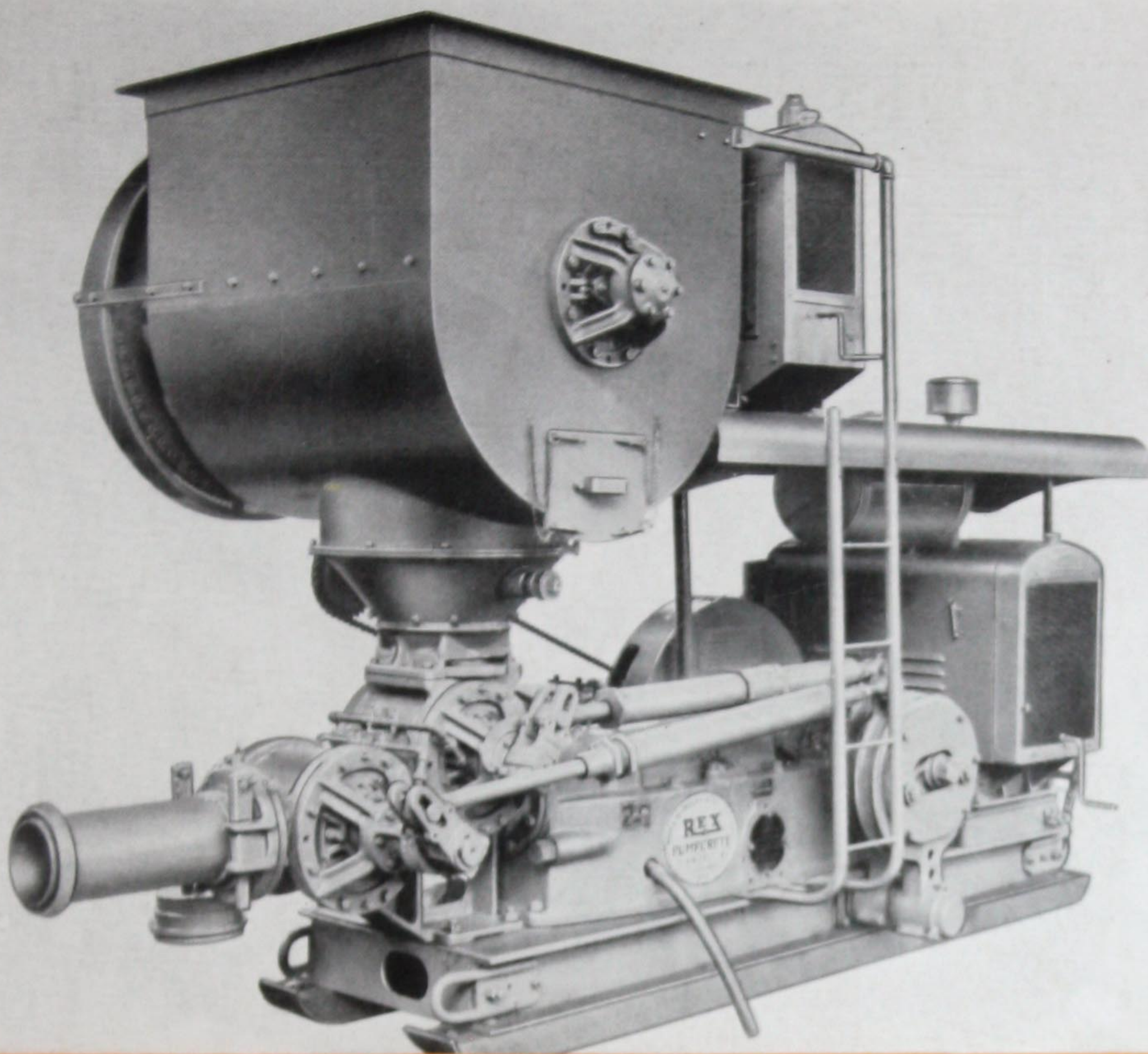
AND NOW-*ALL MODEL DOUBLE PUMPCRETES*
PUMP THRU ONE CYLINDER: THE

REX 160 DOUBLE PUMPCRETE

Equipped with
3-Way Selective
Drive. With pug-
mill type remix-
er. For use with
7" pipe. Capac-
ity 30 to 40 cu.
yds. per hour.



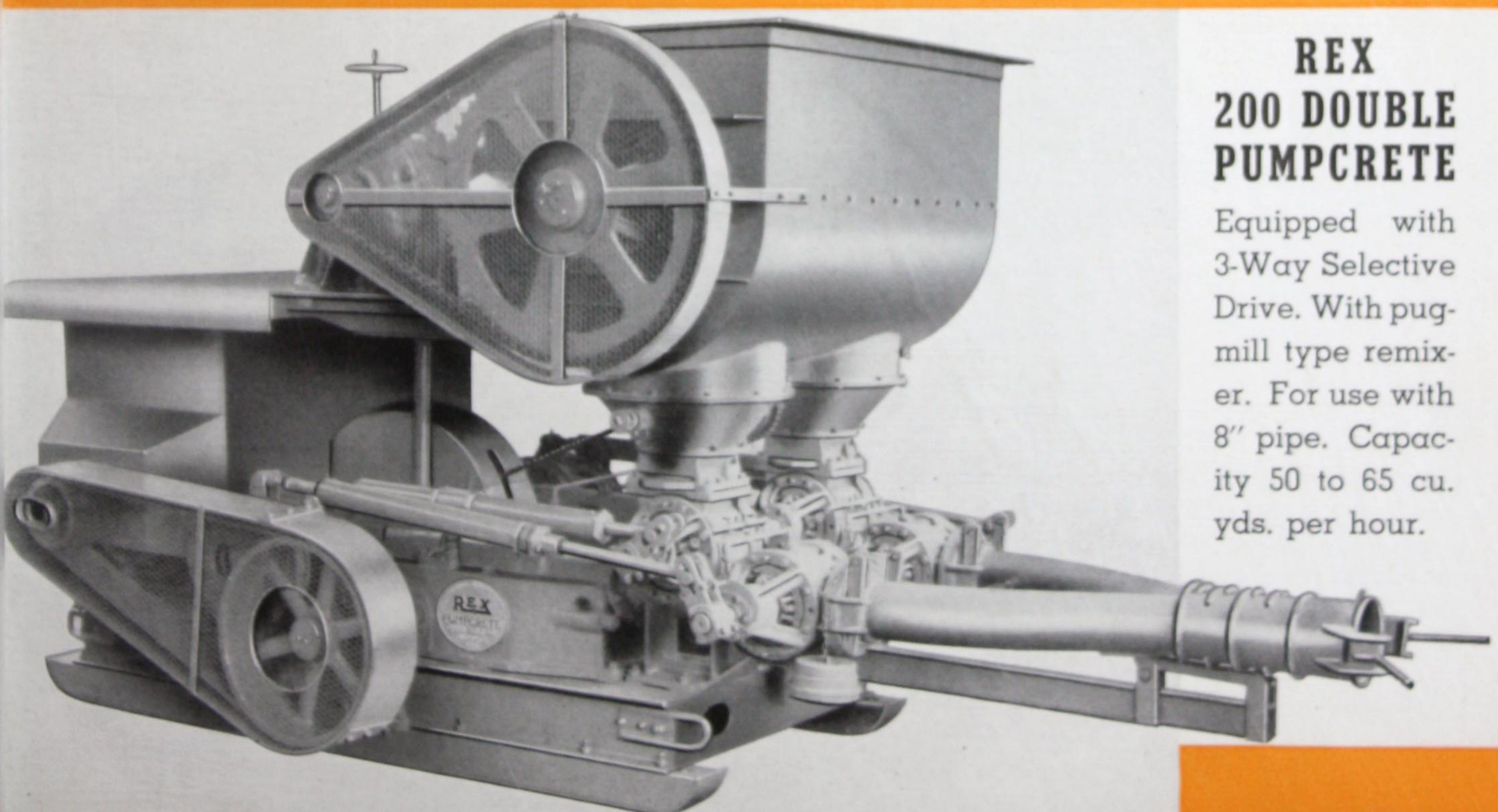
FOR YOUR CLASS OF WORK



REX 200 SINGLE PUMPCRETE

With pug-mill
type remixer.
For use with 8"
pipe. Capacity
25 to 33 cu. yds.
per hour.

EQUIPPED WITH *3-WAY* *SELECTIVE DRIVE!*
OTHER: OR BOTH AT THE SAME TIME

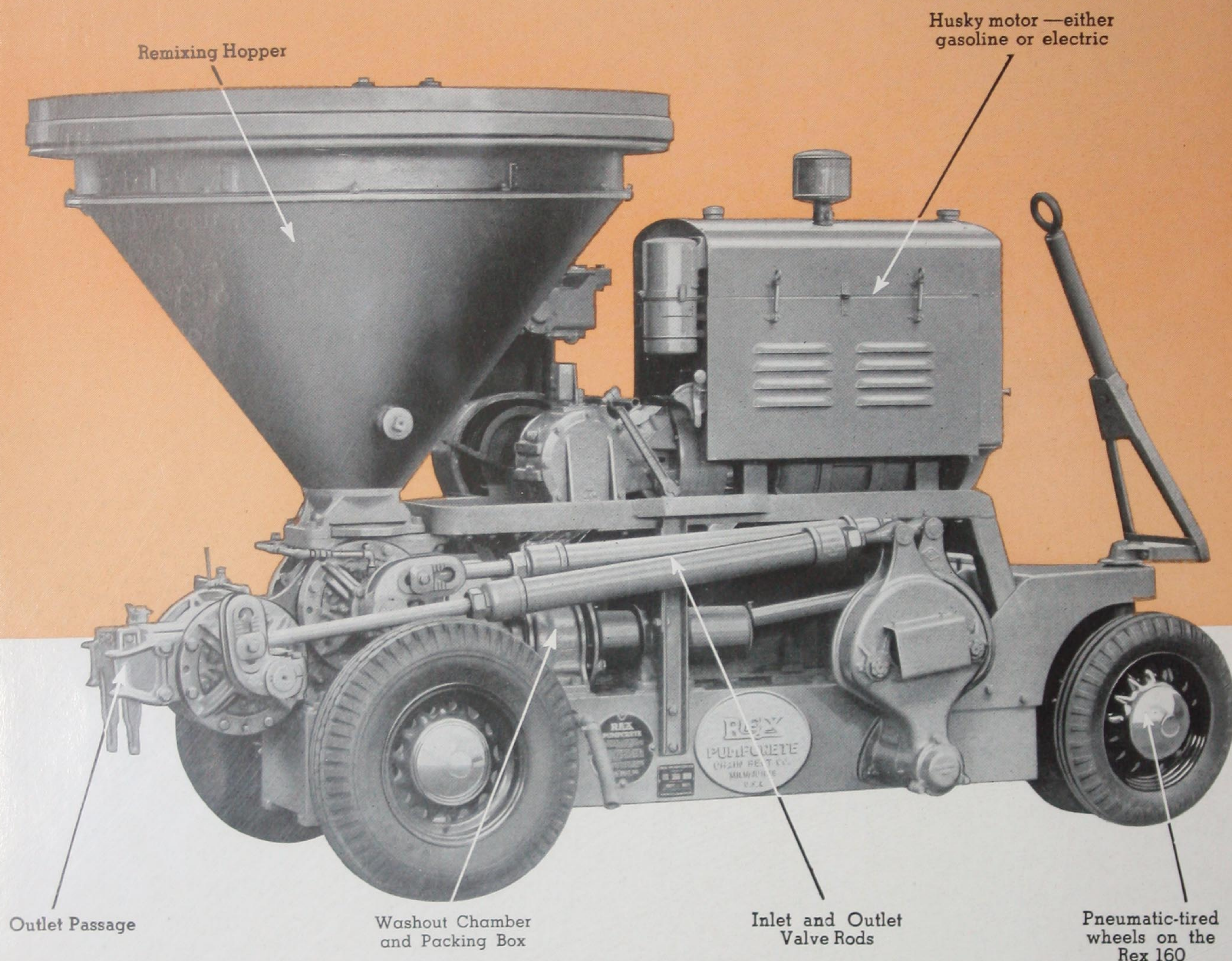


REX 200 DOUBLE PUMPCRETE

Equipped with
3-Way Selective
Drive. With pug-
mill type remix-
er. For use with
8" pipe. Capac-
ity 50 to 65 cu.
yds. per hour.

Here's How Simple the Pumpcrete is!

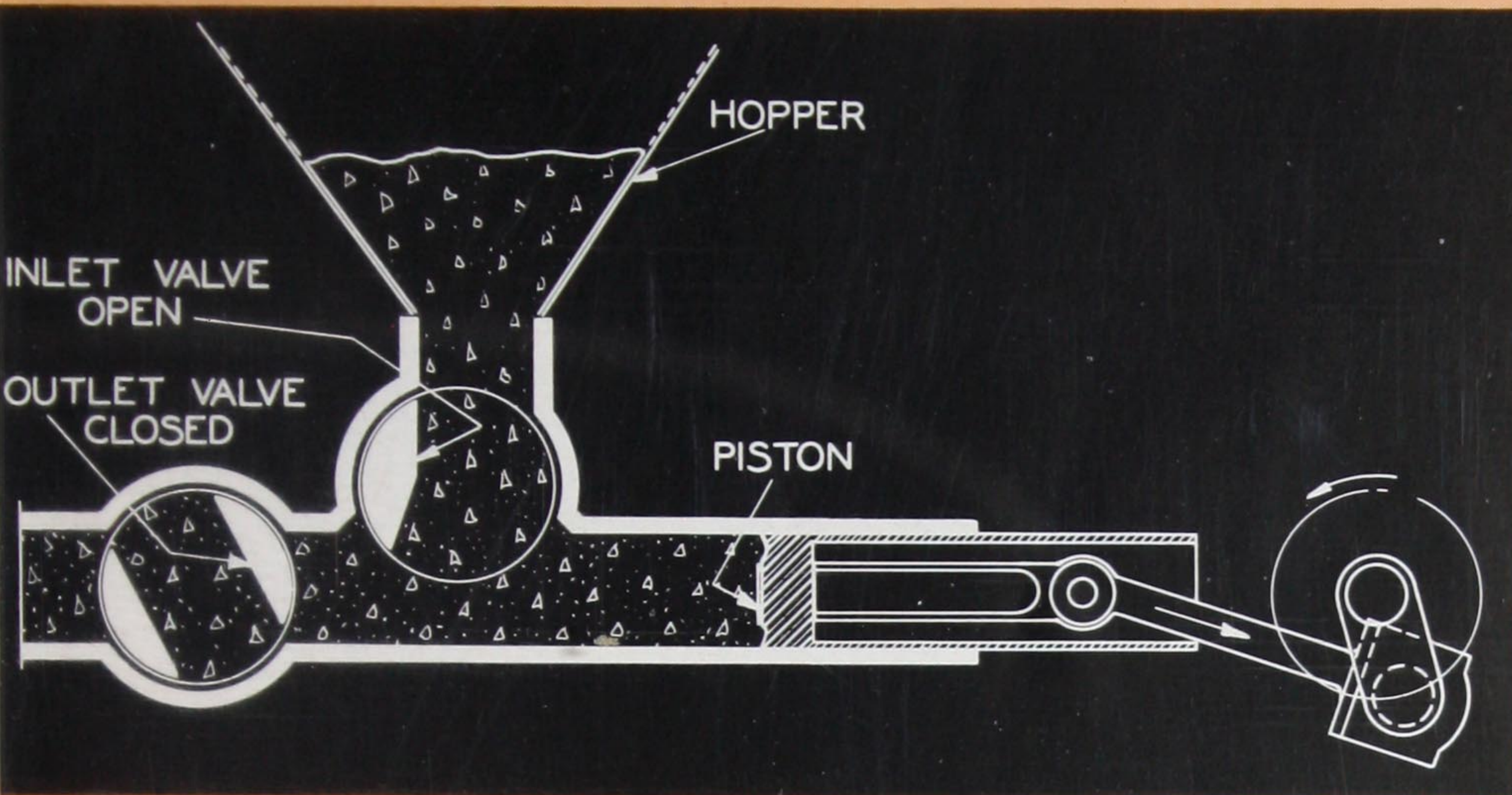
A remixing hopper, two valves, a piston and a cylinder! That, basically, is all there is to the Rex Pumpcrete! It's as simple as the piston-type water pump—as easy to operate as your concrete mixer! Replaceable liners protect all wearing parts!



Every once in a while there appears a machine that "clicks" right from the start—that moves into the average contracting setup and starts performing mechanically and from the cost and profit standpoint in a way that immediately shows its superiority over machines and methods previously used.

That's the case of the Rex Pumpcrete. While this concrete pump is not the answer to every concrete placing problem, it offers so many fundamental advantages for such a wide variety of concrete construction work that it has been accepted as a standard tool of the industry—a low-cost method of placing concrete on concrete jobs all over the country.

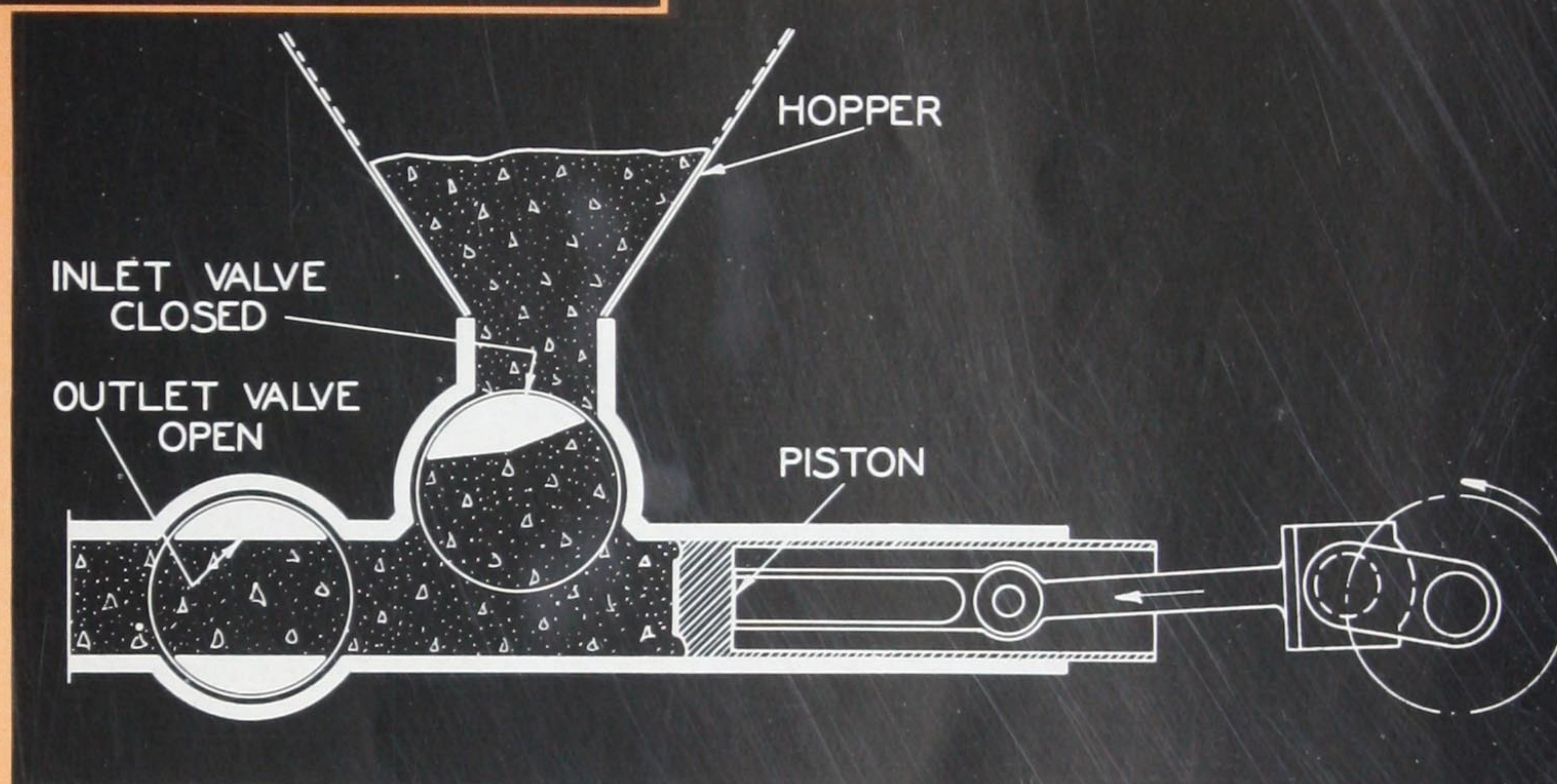
ERICA'S ONLY CONCRETE PUMP!



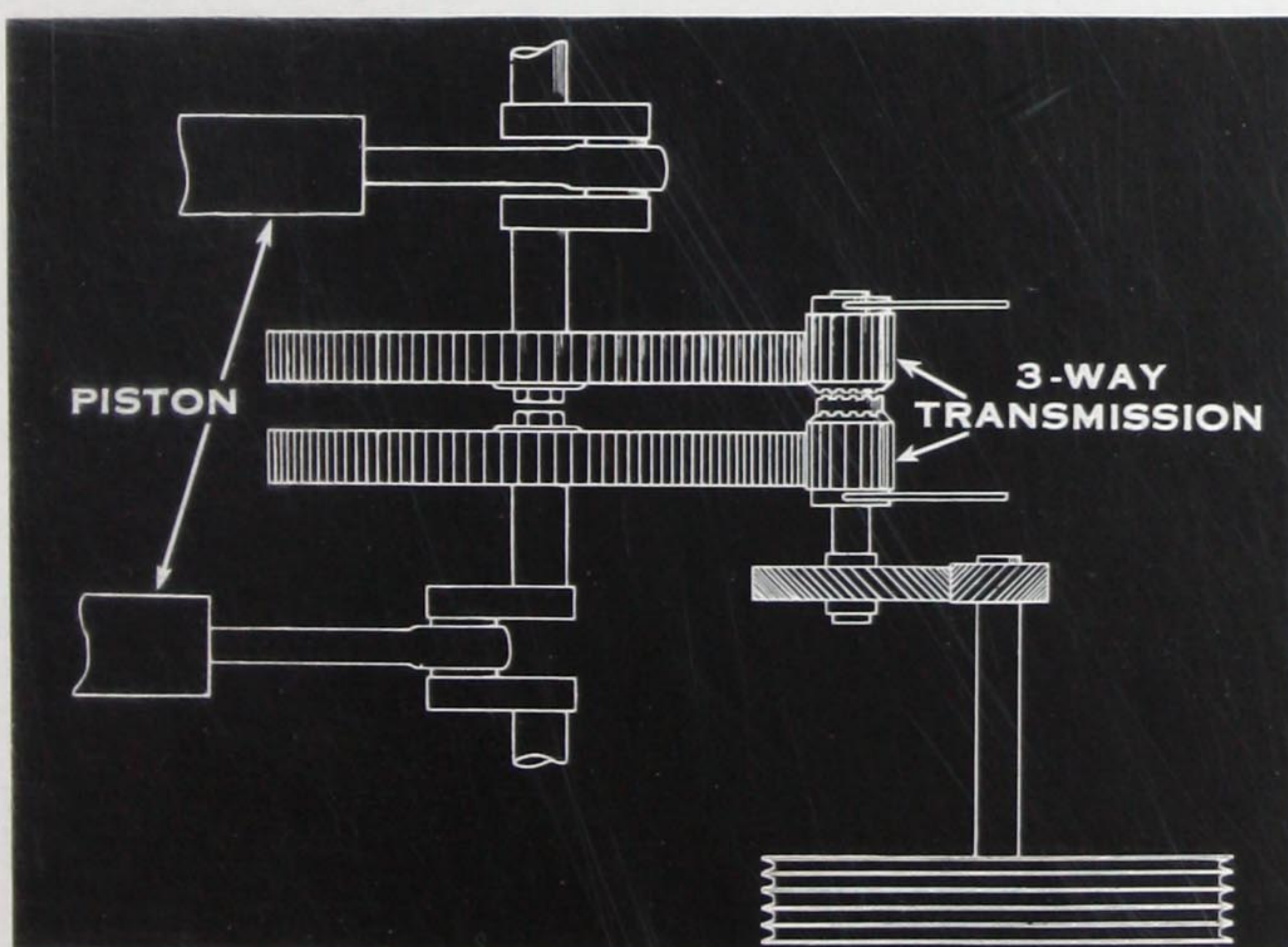
HERE'S HOW IT PUMPS CONCRETE!

Inlet valve between hopper and chamber is opened to allow charge of concrete to be drawn into the cylinder by suction of the piston. At this time, the outlet valve is closed.

Outlet valve is opened, and with inlet valve closed, piston forces charge of concrete through outlet passage. Valves, which are called "plug cocks," are opened and closed in timed relationship to the movements of the piston.



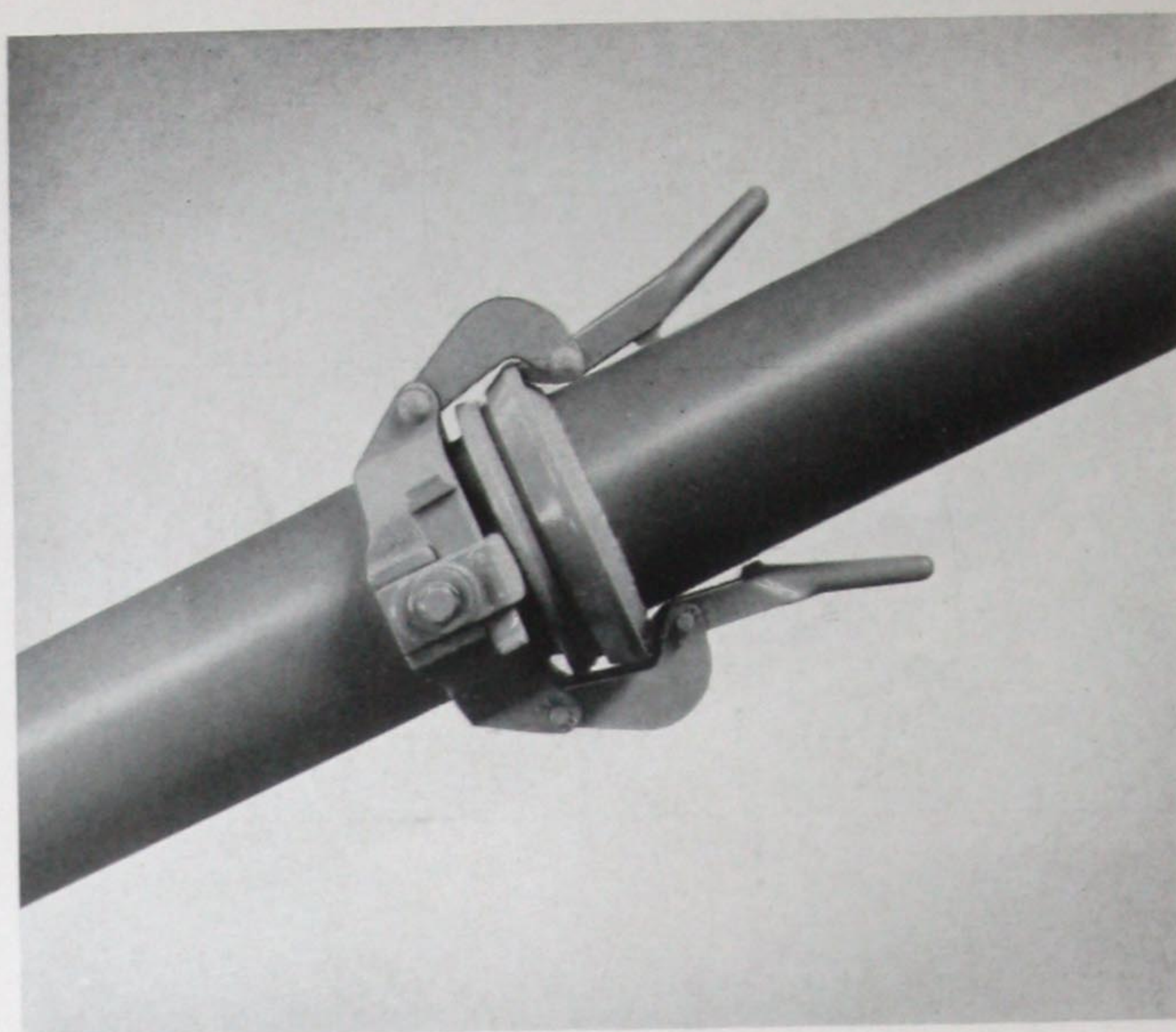
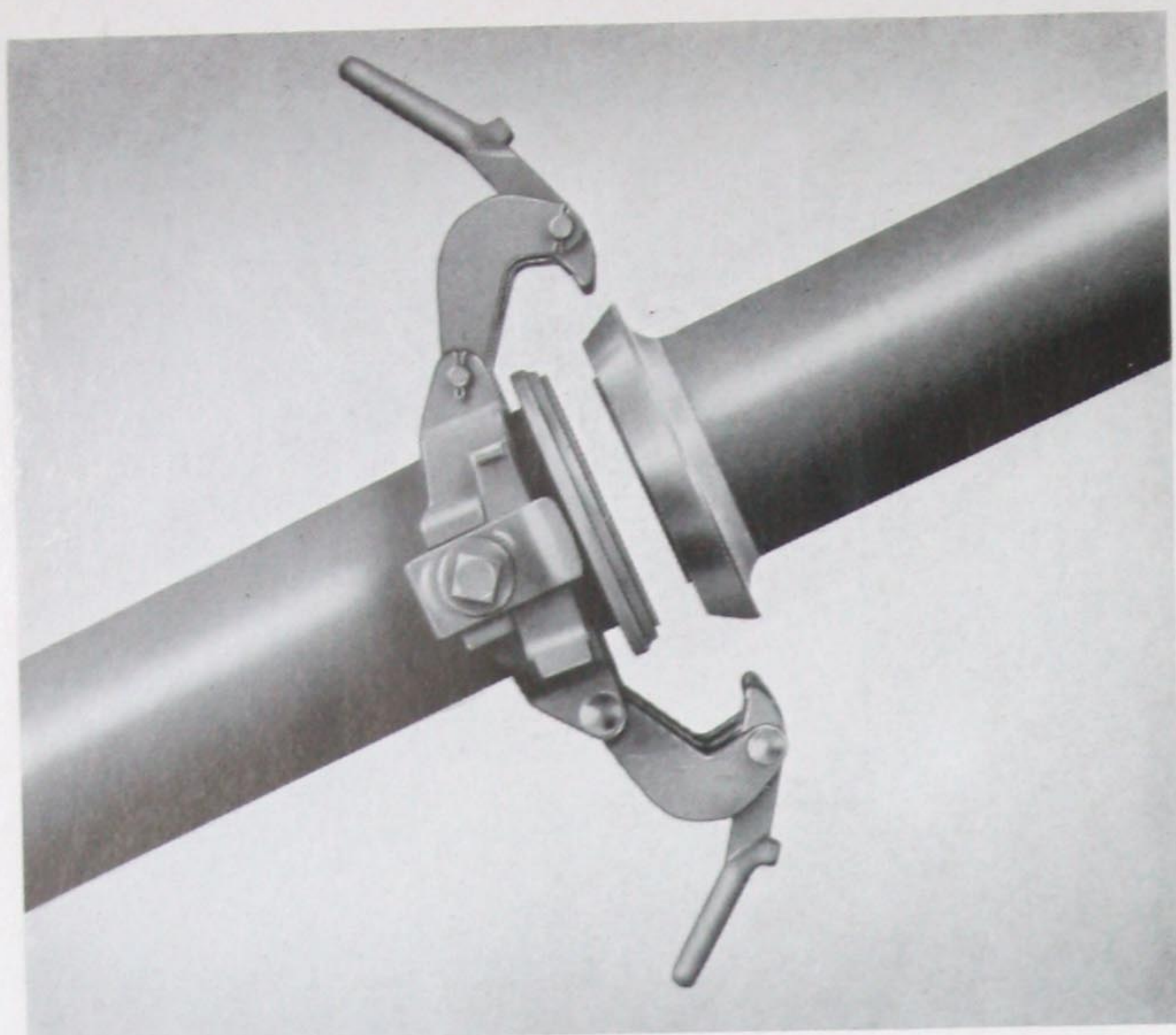
3-WAY SELECTIVE DRIVE FOR DOUBLE PUMPCRETES!



This drawing shows how the 3-Way Selective Drive gives you three Pumpcretes in one.

Rex Double Pumpcretes operate on the same principles as the Single Pumpcrete described above, except that they have two pumping cylinders instead of one. They are equipped with the Rex 3-Way Selective Drive transmission which enables the operator to pump through both cylinders simultaneously to gain full pumping capacity or to shut down either side of the pump without interfering with the continuous flow of concrete from the other cylinder. Because of this, the 3-Way Selective Drive effectively answers the requirement of standby equipment contained in the specifications on many important jobs. On pours where two points are being placed simultaneously, the 3-Way Selective Drive enables the operator to slow up the flow of concrete in either pipe line to regulate the rate of pour—this is often a necessary process, as on the overbreak in tunnels. On other types of jobs where two mixes are used, the selective drive enables them to be pumped through separate pipe lines at the same time, merely by using a simple partition in the hopper. You get three Pumpcretes in one with this new 1941 Pumpcrete feature!

P-TO-DATE WAY TO LOWER COST!

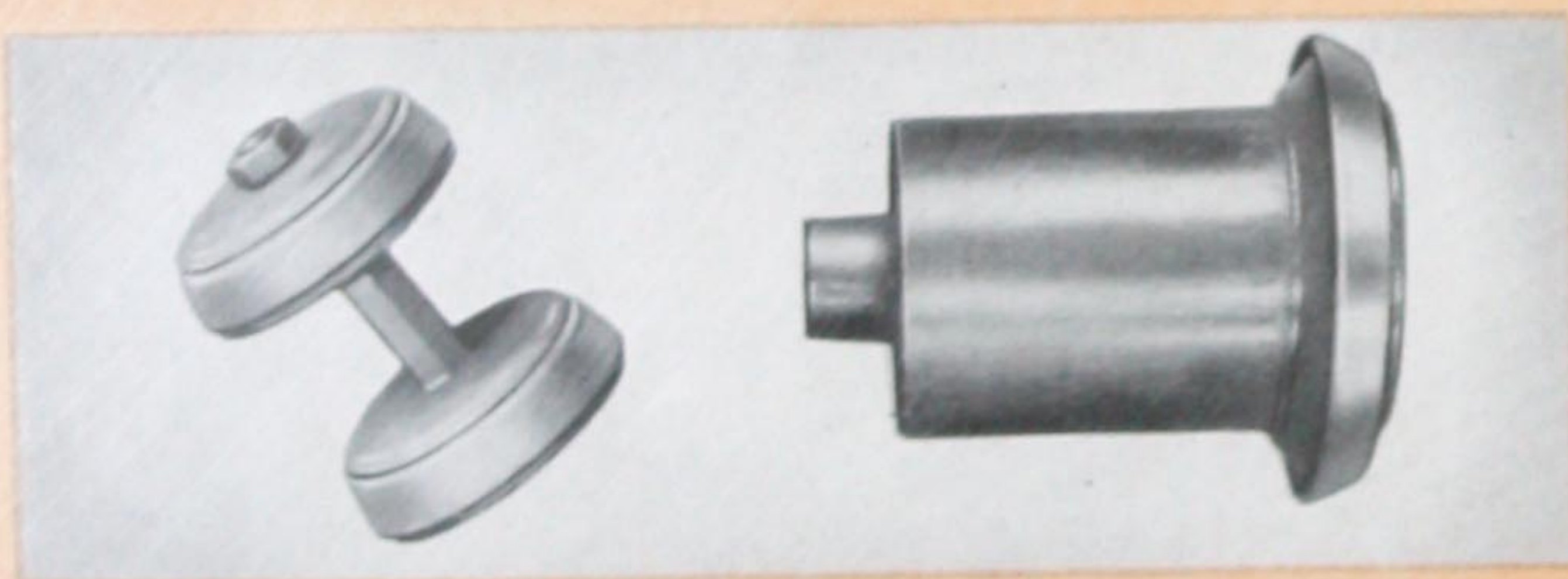


IT'S EASY TO SET UP THE PIPE LINE!

Not the least of Pumpcrete's many unique features is its easily handled pipe line! Pipe line comes in a variety of convenient lengths (shown on page 23) which enable you to reach any point on the job from the Pumpcrete setup—and to have enough additional pipe for the most economical job progress. Once your Pumpcrete is spotted, pipe line is laid from Pumpcrete to final delivery point and pipe sections are quickly coupled or uncoupled with the simple "toggle" couplings

illustrated above. No bolts or wrenches are required. Coupling or uncoupling the Rex pipe line requires but a few seconds for each connection, and you can uncouple the pipe without interfering with the flow of concrete. The Rex toggle coupling is positive and fool-proof and gives the connected pipe line the required rigidity without further lateral bracing.

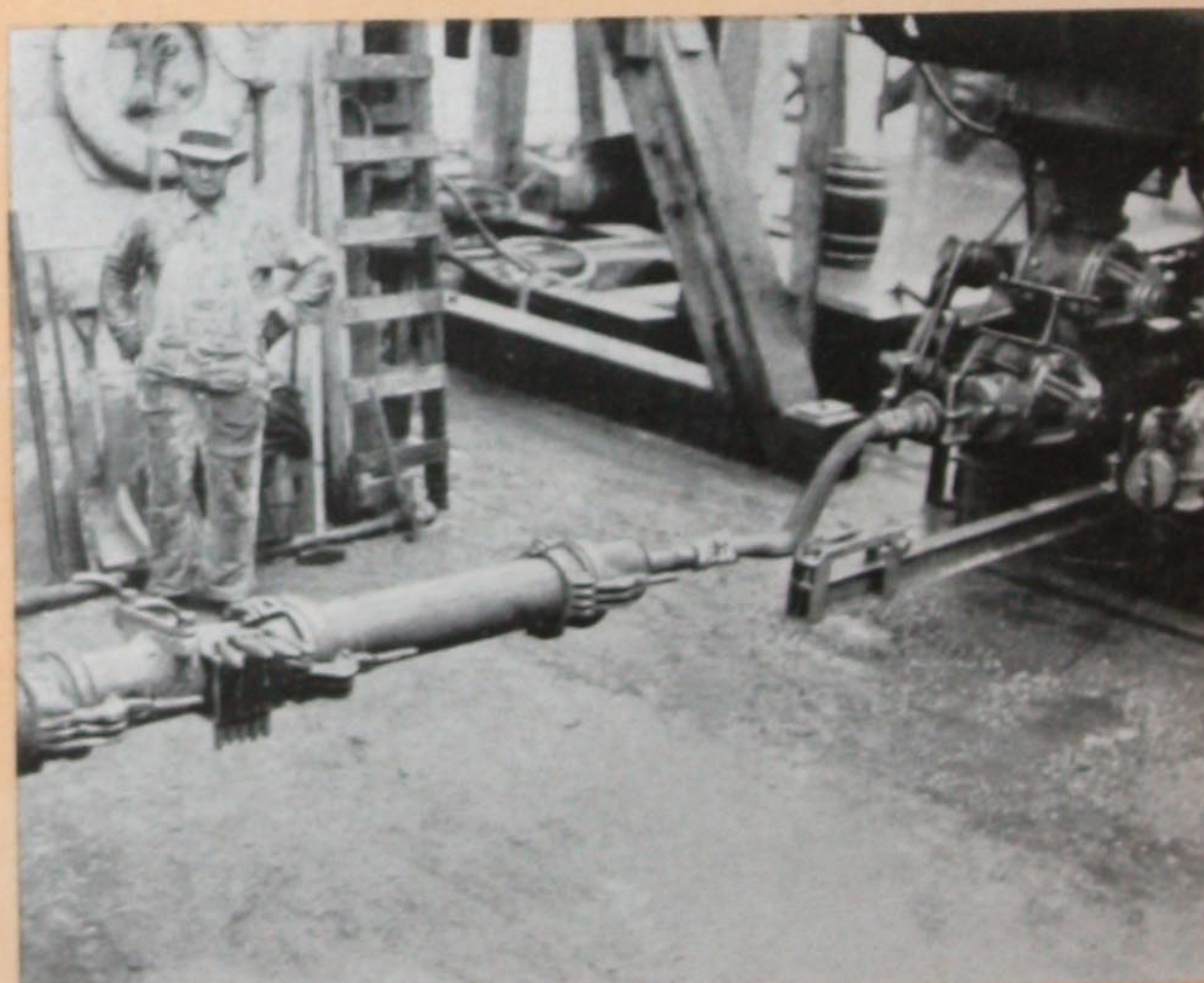
PIPE CLEANING'S A SIMPLE JOB!



1. The Pumpcrete pipe line is easily cleaned with water or air. To clean the pipe line with water, the most commonly used method, simply insert the Rex go-devil (shown above with its entry tube) with the rubber cups toward the pressure.



2. Then attach the water hose connection (shown above), fill the hopper with water and start the Pumpcrete. The positions force the water through the pipe line behind the go-devil, cleaning it thoroughly.



3. As the go-devil moves through the pipe line its location is always easily learned by tapping the pipe with a hammer. Just before it reaches the discharge end, the last few lengths of pipe are disconnected, the water drains out. No water reaches past the go-devil to the concrete: no cleaning water reaches the forms.

HOW TO FIGURE PIPE LINE FOR YOUR JOB...

The following table of Pipeline Data is based on converting the pumping resistance of any combination of straight pipe, bends and differences in elevation to the resistance of an equivalent length of straight horizontal pipe:

Pipe Size	Equivalent Length of Straight Horizontal Pipe*	Vertical Distance**	Maximum Aggregate Square Screen Size
WITH REX PUMPCRETE No. 200 (7.9") DOUBLE			
8" O. D.....	1000 ft.	100 ft.	3"
WITH REX PUMPCRETE No. 200 (7.9") SINGLE			
8"	1000 ft.	100 ft.	3"
WITH REX PUMPCRETE No. 160 (6.3") DOUBLE			
7"	1000 ft.	100 ft.	2"
WITH REX PUMPCRETE No. 160 (6.3")			
6"	800 ft.	100 ft.	2"

*A 90 degree bend is figured as equivalent to 40 ft. of horizontal piping, a 45 degree bend equivalent to 20 ft., and 22½ degree bend equivalent to 10 ft.

**Not over 200 ft. of pipe actually. A combination of horizontal and vertical distances is to be calculated on the basis of 1 ft. of vertical equaling 8 ft. of horizontal pumping. The total equivalent distance should not exceed the equivalent horizontal pumping distances shown in the tabulation.

Example:

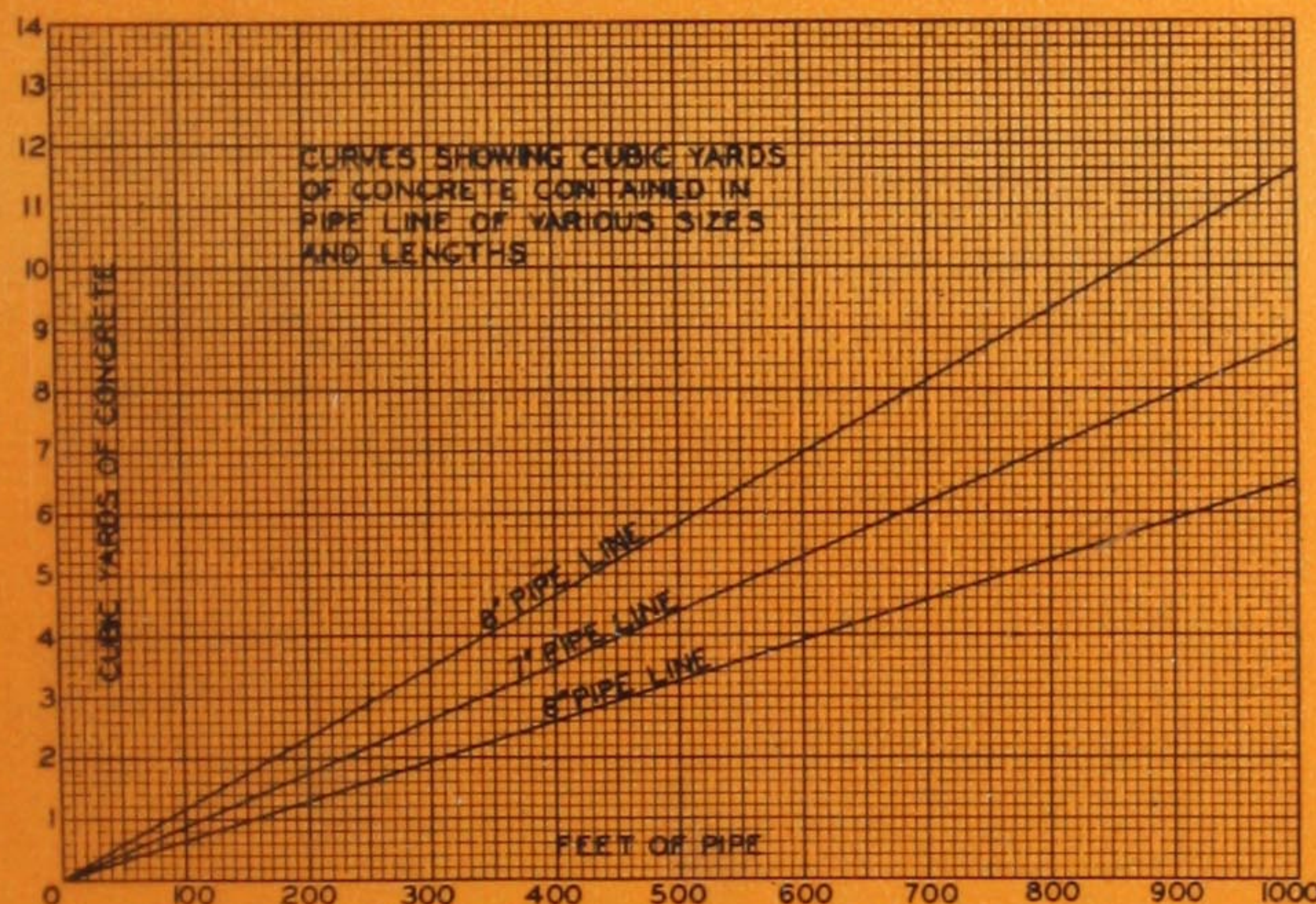
Assume the project is equipped with a single Pumpcrete, Model No. 200, pumping through 8" O.D. pipeline.

The total actual length of pipe line is 360 feet, which is made up of the following sections:

320 ft. straight pipe
2—90° bends
4—45° bends

There is a vertical lift at the end of the pipe line of 40 ft. The equivalent length of straight horizontal pipe is determined as follows:

320 ft. straight pipe.....	Equals 320 ft.
2—90° bends (Equivalent to 40 ft. straight pipe)	80 ft.
4—45° bends (Equivalent to 20 ft. straight pipe)	80 ft.
40 ft. vertical lift (Equivalent 1 ft. vertical equals 8 ft. horizontal).....	320 ft.
	800 ft.



The following straight line curves are presented so the contractor may better judge the amount of concrete in the pipe line. The information is of great value in holding concrete losses to a minimum when nearing the end of a pour.

The quantity of water required to clean out the pipe line with the Go-Devil may be computed from the above table by converting cubic yards of concrete into gallons of water. (1 cubic yard equals 202½ gallons.)

TIME REQUIRED IN MINUTES
For Concrete Pumped Through 100 Feet of Pipe Line

Pumping Rate	60 yds. per hr.	50 yds. per hr.	40 yds. per hr.	30 yds. per hr.	25 yds. per hr.	20 yds. per hr.
6" Pipe.....	.65	.78	.97	1.30	1.56	1.95
7" Pipe.....	.88	1.05	1.32	1.76	2.11	2.64
8" Pipe.....	1.16	1.39	1.74	2.32	2.78	3.48

REX PUMPCRETE . . . THE PUMP THAT PUMPS CONCRETE

WHERE TO PUMP YOUR

IF YOU BID BUILDINGS, WAREHOUSES, FACTORIES, STEEL MILLS, HOUSING PROJECTS, ETC.



The picture at the left shows the pipeline set-up for pouring 5,000 yards of concrete in the roof and floor construction (an area of 225,000 sq. ft.) on the Brooklyn High School for Homemaking. Concrete for dozens of other buildings, warehouses, steel mills, plants large and small, containing anywhere from 1,000 to more than 100,000 yards, has been pumped in place by the Pumpcrete. Doesn't this show adaptability and wide range usefulness? You'll know how true this is when you figure placing costs in your building work. Compare Pumpcrete costs against those of any other placing method. The chances are 10 to 1 that you'll find you can do it cheaper with the Rex Pumpcrete.

These are facts—facts you should consider when deciding on your concrete placing methods.

IF YOU BID BRIDGE JOBS... LARGE OR SMALL

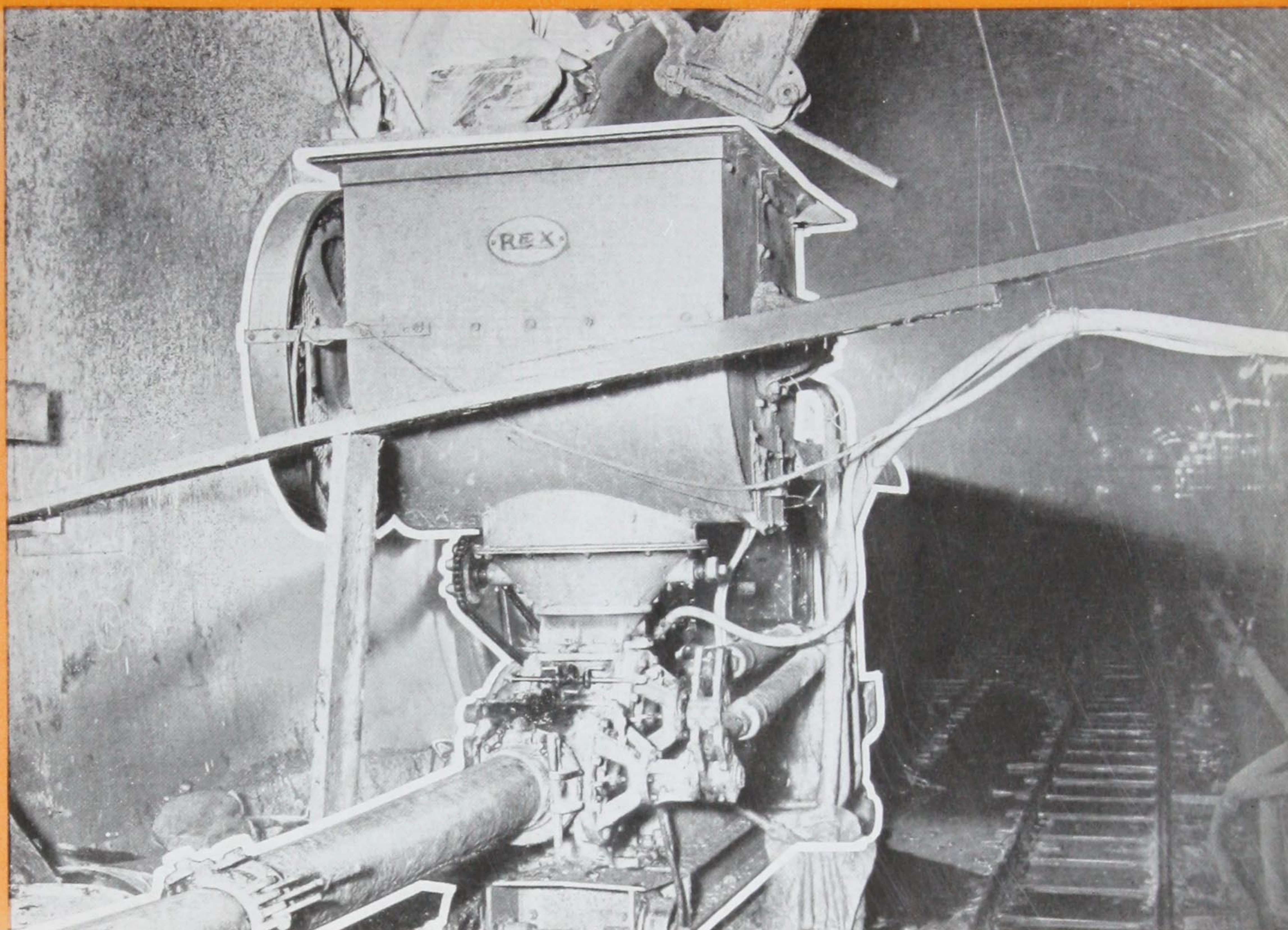
Bridge-building contractors have found in the Rex Pumpcrete an ideal means to cut the cost of placing concrete in the widely scattered forms for footings, foundations, pedestals and decking typical of almost all concrete bridge jobs. This holds true for the larger bridges up to the size of the famous San Francisco-Oakland Bay span (where Pumpcretes worked from barges to place foundation concrete) to the everyday, run-of-the-mill job from a 5,000 yard job to a 50-yard culvert. At right, for instance, is the Pumpcrete and pipeline setup used for a 3,000 yard bridge job in Tallassee, Ala. The Rex 160, charged by a Rex 14-S Mixer, sends concrete through pipe line to the tallest pier (100 ft. above the Pumpcrete), eliminating towers, hoists, buggies, and other costly placing units.



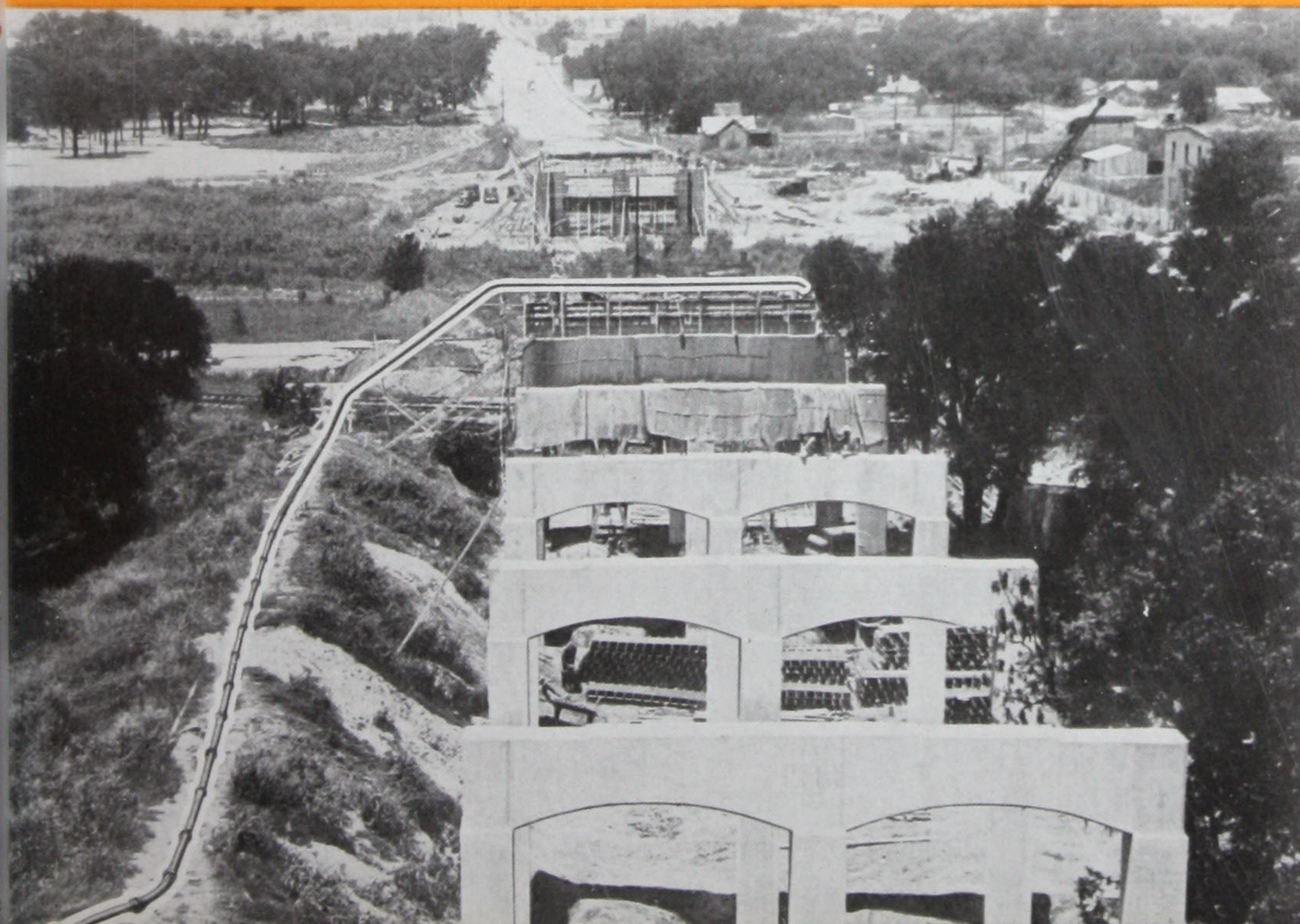
CONCRETE WITH PUMPCRETE

IF YOU BID TUNNELS

As a unit for transporting and placing concrete in tunnels the Rex Pumpcrete has a performance record that no other method can approach for fast, efficient, low-cost placement of high quality concrete. Pumpcretes have placed millions of yards of concrete in the rock tunnels of the famous Colorado River Aqueduct; in the muck tunnels of Chicago and Detroit; in the treacherous ground under New York City and many other localities. Pumpcrete's background includes dozens of other tunnel jobs ranging from the world's largest tunnel, the Yerba Buena Tunnel in San Francisco down to a 4½ foot tunnel in Gary. At the right is a photo of the Rex 200 Single Pumpcrete placing concrete in the new Chicago Subway. This all-around ability on all types of tunnel jobs means something to you if you are after tunnel contracts—it means that Rex Pumpcrete is a tried, proved method of cutting your placement costs on your jobs!



IF YOU BID OVERPASSES AND UNDERPASSES



The Rex Pumpcrete has shown remarkable success in placing concrete for structures in this class of work—from the large jobs over 10,000 yards down to the small 500 yard overpass or underpass. The photo at the left shows the set-up used for the 10,000 yard West Lancaster Street Overpass job in Fort Worth, Texas. The Rex 160 Pumpcrete used on this job was charged by Moto-Mixers and pumped approximately 55 cubic yards in the pedestals and caps of each pier with new speed and economy.

To this class of work, Rex Pumpcrete brings many time-saving, money-saving advantages which should be working for you. Before you bid another overpass or underpass job, get all the facts and figures on Rex Pumpcrete's performance. You'll see why you can't go wrong with Pumpcrete!

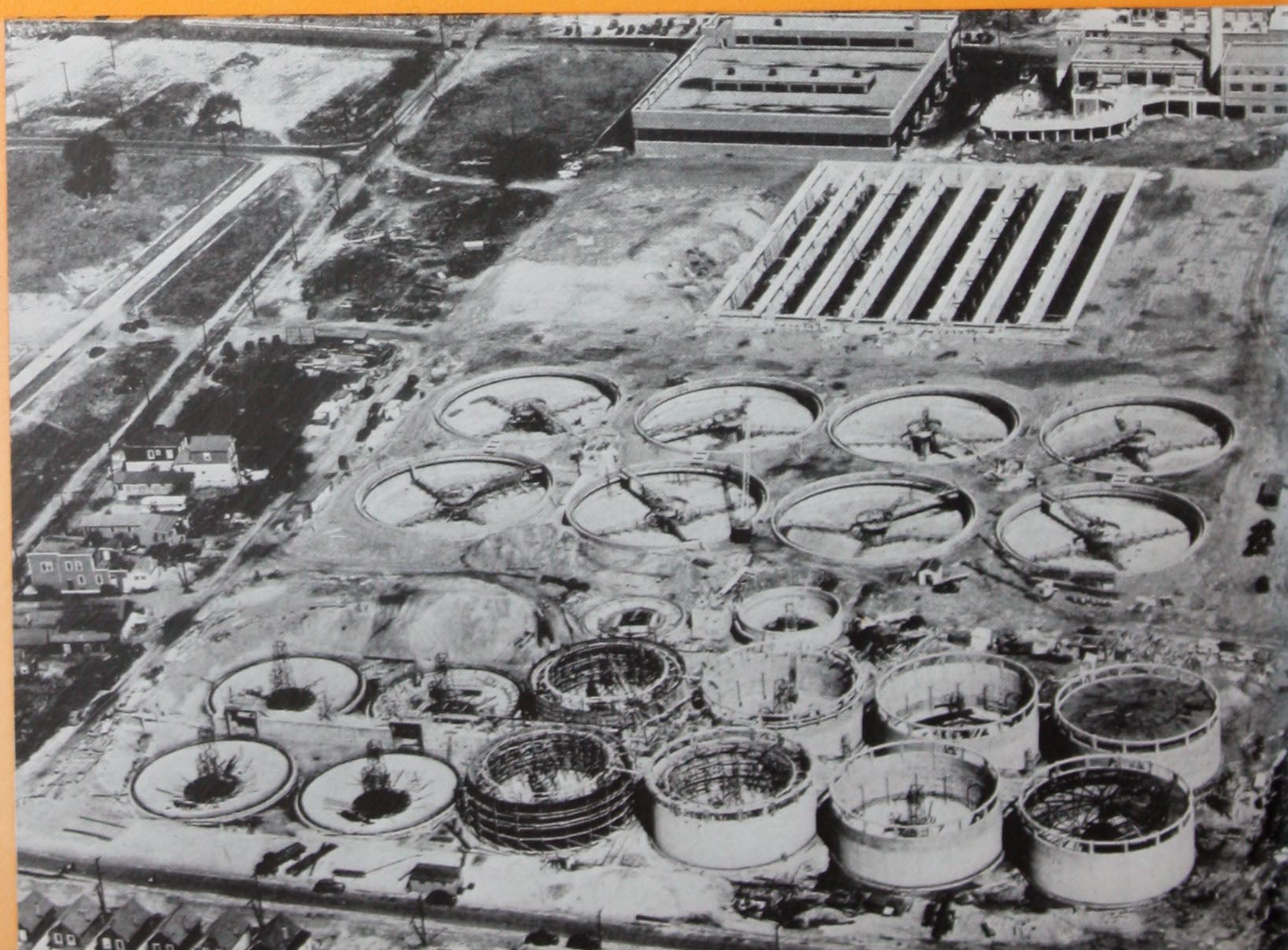
IF YOU BID LOCKS, DAMS, HYDRO-ELECTRIC PROJECTS, ETC.



Pumpcretes have cut placing costs on dozens of lock and dam jobs! This includes over 14 Mississippi River lock and dam jobs where Pumpcretes pumped and placed over a million cubic yards! Pumpcretes placed approximately 275,000 cu. yds. of concrete in the world famous Boulder Dam! Pumpcretes have placed hundreds of thousands of yards of concrete on all sizes and types of hydro-electric dams, spillways, earthen dams, flood control projects, etc., from Bonneville, Oregon, to Seboomook, Maine. The Rex 160 Pumpcrete with its capacity of 15 to 20 cu. yds. per hour has set an enviable record on smaller jobs of this kind. Such a background of successful performance is ample evidence that Pumpcrete is thoroughly adaptable to this class of work—evidence that you should bid with this advantage rather than against it!

IF YOU BID SEWAGE AND WATER TREATMENT PLANTS OR RESERVOIRS

Sewage plants, filtration plants and reservoirs with combinations of slabs, walls, beams, and columns placed over a comparatively wide area are ideal Pumpcrete jobs. Rex Pumpcretes have placed concrete on this type of work in practically all parts of the U. S. A. This includes jobs as small as a 1,500 yard sewage treatment plant at Two Rivers, Wisconsin, 50,000 yard jobs in Milwaukee and Detroit, and the 200,000 yard Chicago Filtration Plant. Shown here is the Jamaica, Long Island, New York Sewage Disposal Plant in which a double Pumpcrete placed 35,000 cubic yards into circular tanks of 80 and 120 foot diameters. The pipeline set-up was made for continuous pouring at a rate of 50 cubic yards per hour.

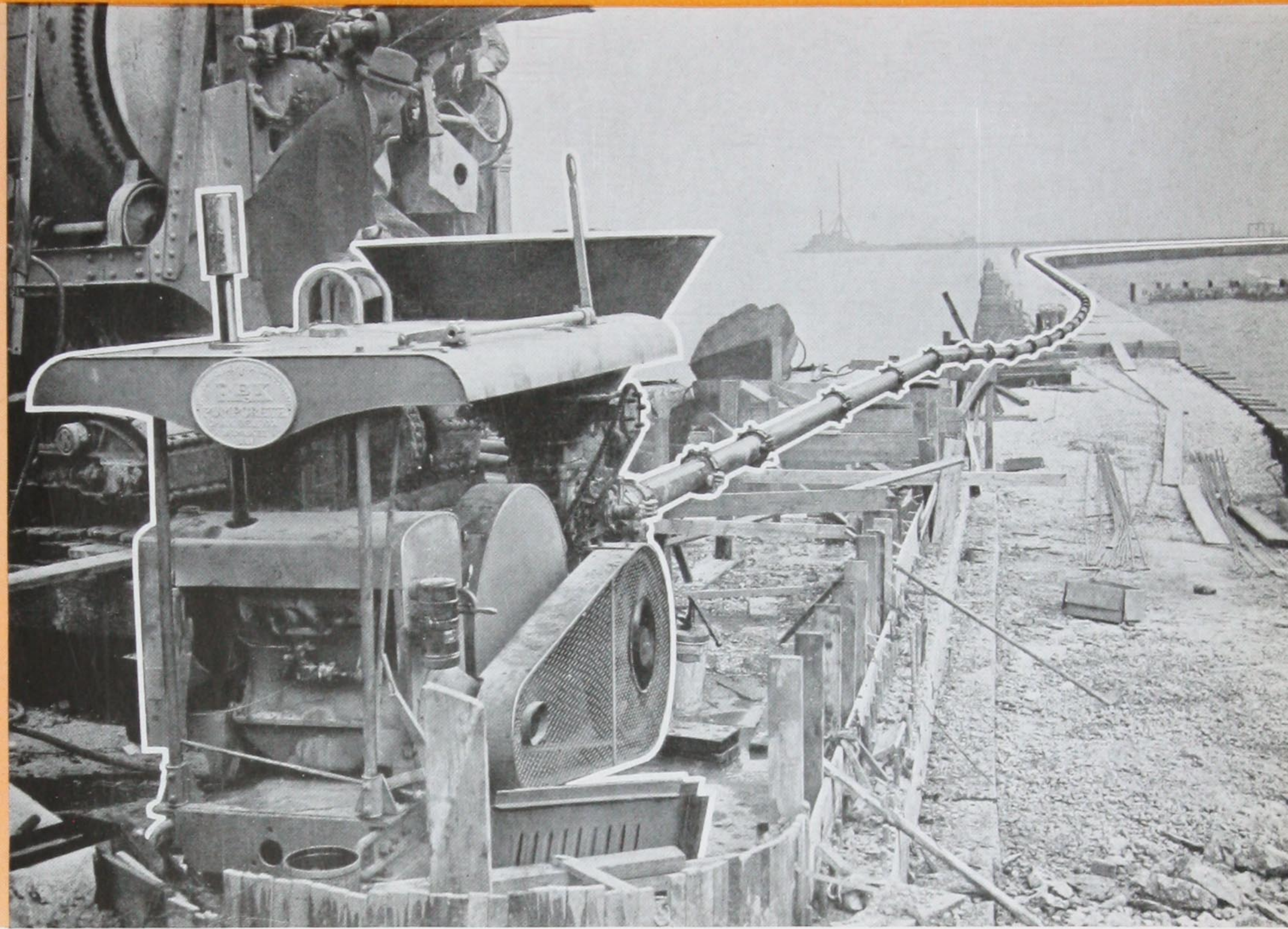


CONCRETE WITH PUMPCRETE

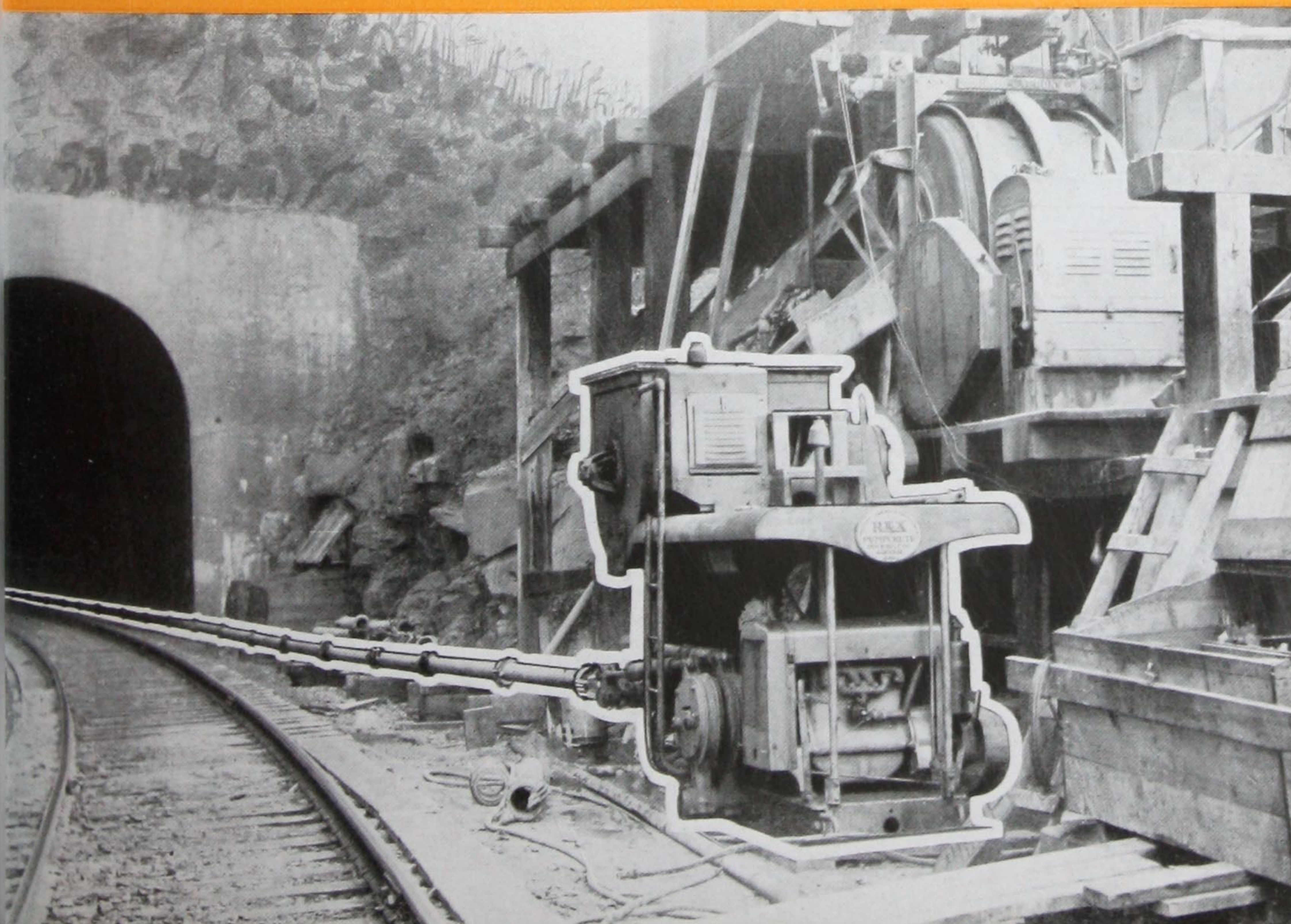
IF YOU BID MARINE WORK

Marine work of all kinds including causeways, breakwaters, jetties, dry-docks, caissons, sea coast defenses, etc., is still another class of concrete construction where the Rex Pumpcrete has gained wide favor through its simplicity and easy adaptation to all types of job conditions.

At right is shown a Rex Pumpcrete which is pumping concrete for a long jetty on the shore of Lake Michigan, with pipe line extending far out into the lake. This ability to transport concrete from mixing unit to distant form work is the Pumpcrete's and the Pumpcrete's alone. No other concrete placing method offers this inherent advantage. If you bid this class of work, Pumpcrete is probably the cost-saving answer.



IF YOU BID UNUSUAL OR INACCESSIBLE JOBS



Many concrete construction jobs offer problems that make them inaccessible by ordinary concrete placing methods. It is important to note that many jobs which ordinarily could only be placed at prohibitively high costs, become ordinary, simple jobs when the Rex Pumpcrete is brought into action. For instance, the Rex Pumpcretes have placed concrete in such difficult spots as turbine chamber linings and power house underpinnings: Pumpcrete has placed the concrete for track elevations and tunnel linings without interfering with the flow of traffic. This last is shown in the picture at the left. Here the Rex Pumpcrete is pumping concrete for tunnel lining without even the slightest interruption of regular railroad traffic. Before you bid complicated, inaccessible types of jobs, see how easy and profitable they can be when placed with the Rex Pumpcrete and pipe line.

QUESTIONS

Q WHAT IS THE REX PUMPCRETE?

A The Rex Pumpcrete is a pump that pumps concrete through a pipe line. It is a rugged horizontal piston pump with large size mechanically operated outlet and inlet valves. Concrete from a hopper above the valve chamber is drawn into the cylinder on a suction stroke and expelled into the pipe line on a pressure stroke. The pipe line is completely filled and there is a continual flow of concrete from the end of the line.

Q HOW HIGH AND HOW FAR WILL IT PUMP CONCRETE?

A The distance concrete can be pumped is dependent on the diameter of the pipe, the number of elbows required in the line, and the elevation of discharge above the Pumpcrete. Generally speaking, the Rex 160 Pumpcrete can pump concrete a horizontal distance of 800 feet, or a vertical height of 100 feet. Larger Pumpcretes are capable of pumping as high as 120 feet or as far as 1200 feet—and even farther with plastic concrete. Any combination of horizontal and vertical pumping within these limits can be handled very efficiently, thus enabling you to place concrete from one set-up to all points within its range.

Q WHAT IS ITS CAPACITY?

A The Rex 160 Pumpcrete has a capacity of 15 to 20 cubic yards per hour—ideal for working with 10-S or 14-S Mixers, Pavers or ready-mixed concrete delivery. Other sizes of Rex Pumpcretes have capacities up to 65 cubic yards per hour. Under normal set-up conditions and with good average concrete, the Rex 160 Pumpcrete will usually average better than 15 cubic yards per hour with the other sizes of Pumpcretes offering correspondingly higher averages.

Q WILL IT HANDLE ALL MIXES?

A With a 6 inch pipe line, nearly all commonly used mixes can be pumped by the Rex 160 Pumpcrete, provided they are of a workable consistency with a maximum aggregate size not larger than 2 inches. The larger Pumpcretes with larger diameter pipe lines are capable of pumping mixtures containing maximum aggregate sizes up to 3 inches. Practically all mixes ordinarily used on average concrete placement jobs can be easily and efficiently pumped by Rex Pumpcretes.

AND **A.** ANSWERS

Q WHAT ABOUT OPERATING COSTS?

A

The operating costs of the Rex Pumpcrete involve the cost of power (either gasoline or electric where available), the cost of lubrication and the cost of the operator. Ordinarily power, grease, and oil will rarely exceed 2c per cubic yard. It must be borne in mind that the cost of the operator depends upon the prevailing wage scale in your locality.

Q

WHAT ABOUT MAINTENANCE COSTS?

A

Considering the fact that concrete is extremely abrasive, the maintenance cost of wearing parts of the Pumpcrete is surprisingly low. Easily replaceable wearing parts that come in contact with the concrete are made of special wear-resistant alloy steel. Wearing parts ordinarily have a working life of from 4,000 to 10,000 yards before replacement is necessary; and in pumping the first 3,000 to 5,000 yards, the maintenance cost per cubic yard of wearing parts is practically nothing. The maintenance cost of replacement parts per cubic yard is no more at 50,000 yards of life than at 10,000 yards of life.

Q

WHAT ABOUT PIPE HANDLING COSTS?

A

Due to the quick-acting couplings on the pipe, the puddling crew, or others in the common labor class, generally handle the pipe line, especially with the 160 Pumpcrete. Pipeline costs are difficult to segregate from the puddling costs. However, Pumpcrete owners have reported pipe handling costs from 2c per cubic yard on 24 inch slabs, to 10c per cubic yard on 6 inch slabs and up to 12c per cubic yard on high, fairly thin walls. Accurate pipe handling costs can best be estimated after job requirements and distribution methods are known.

Q

WHAT'S YOUR QUESTION?

A

A job like yours has been pumped by Pumpcrete! Whatever question you might have regarding the use of the Pumpcrete on any particular job, Rex can answer it. We have answered the same question for others in our experience of pumping millions of cubic yards of concrete on every conceivable type and size of job. Rex Pumpcretes have placed concrete on bridges, viaducts, buildings, housing projects, tunnels, overpasses, underpasses, filtration plants, reservoirs, locks and dams, culverts, warehouses, etc. This is a record of experience that guarantees the correct solution to **your** pumping problem. Send your concrete pumping questions to us—get the Pumpcrete facts before you bid, before you buy!



TUNNEL LINING

The Rex Pumpcrete is ideally suited for pumping of tunnel linings. Here is one of the diversion tunnels for Shasta Dam showing a section of concrete tunnel already placed by Pumpcrete and the Pumpcrete pipe line running along this side carrying concrete to a further point. Note the simple pipeline set-up.

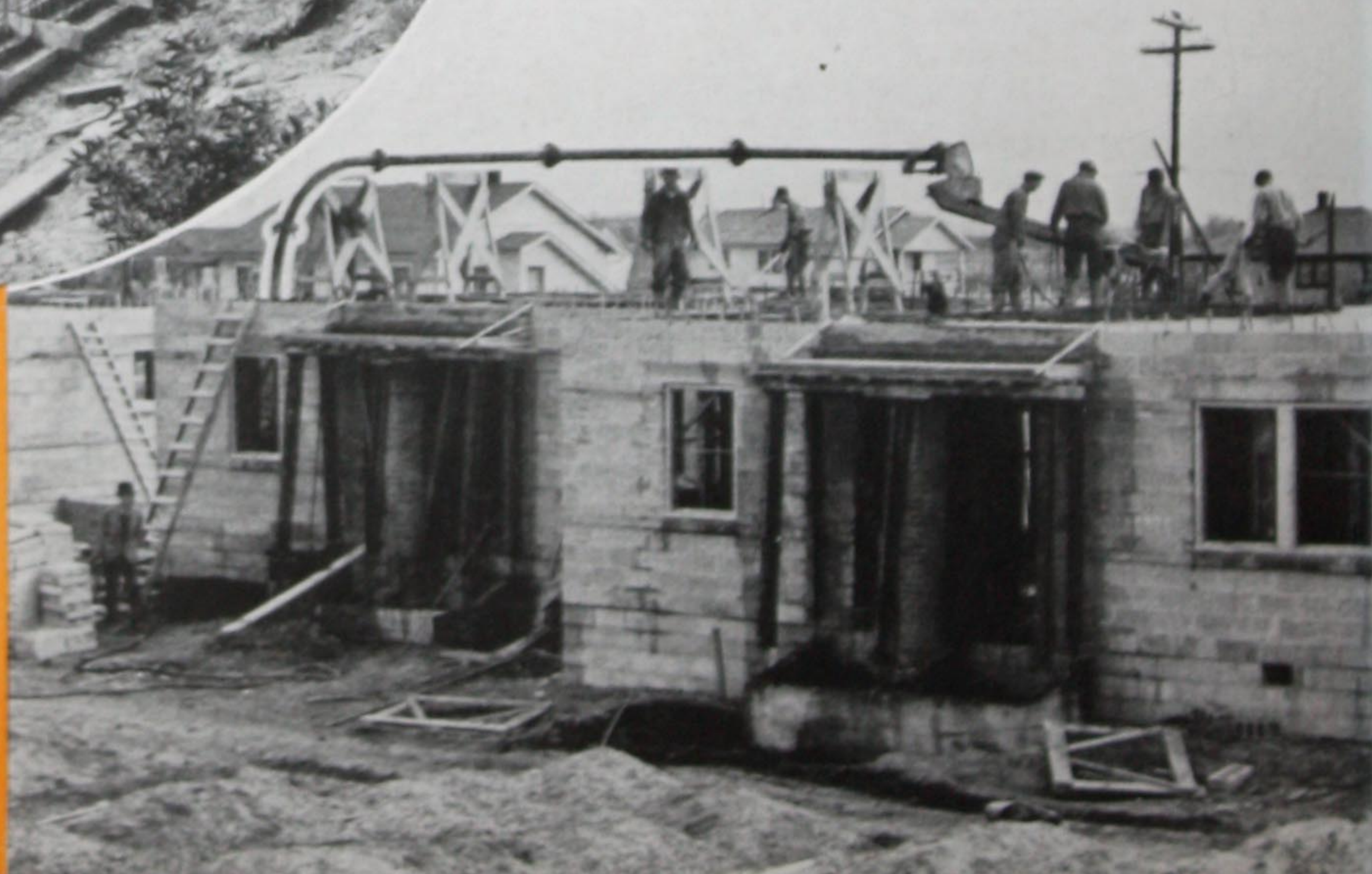


MULTIPLE BUILDINGS

The Pumpcrete distributing system shown in the circle at the left is that of a 200 Double Pumpcrete placing concrete for the footings, floors and basement walls of four buildings. As you can see in the picture, a switch-over can be made from one pipe line to the other in a very short time.

HOUSING PROJECT

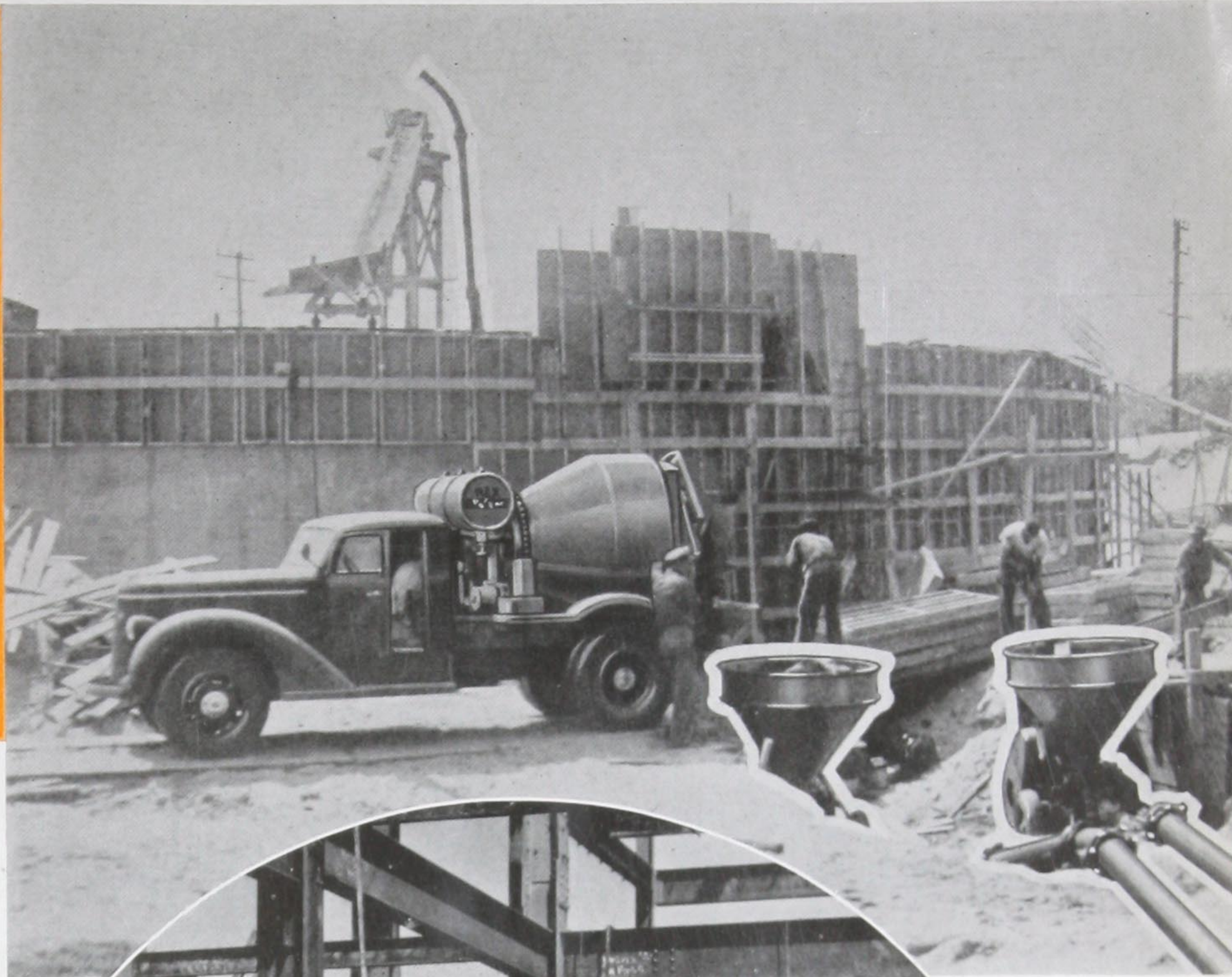
A Model 160 Pumpcrete pumped the concrete for 23 fireproof two-story apartment buildings on this housing project at Kokomo, Indiana. 4,400 cubic yards of concrete was pumped in relatively small, scattered pours over an area approximately 600 by 650 feet.



DONE FOR OTHERS—WHY NOT YOU?

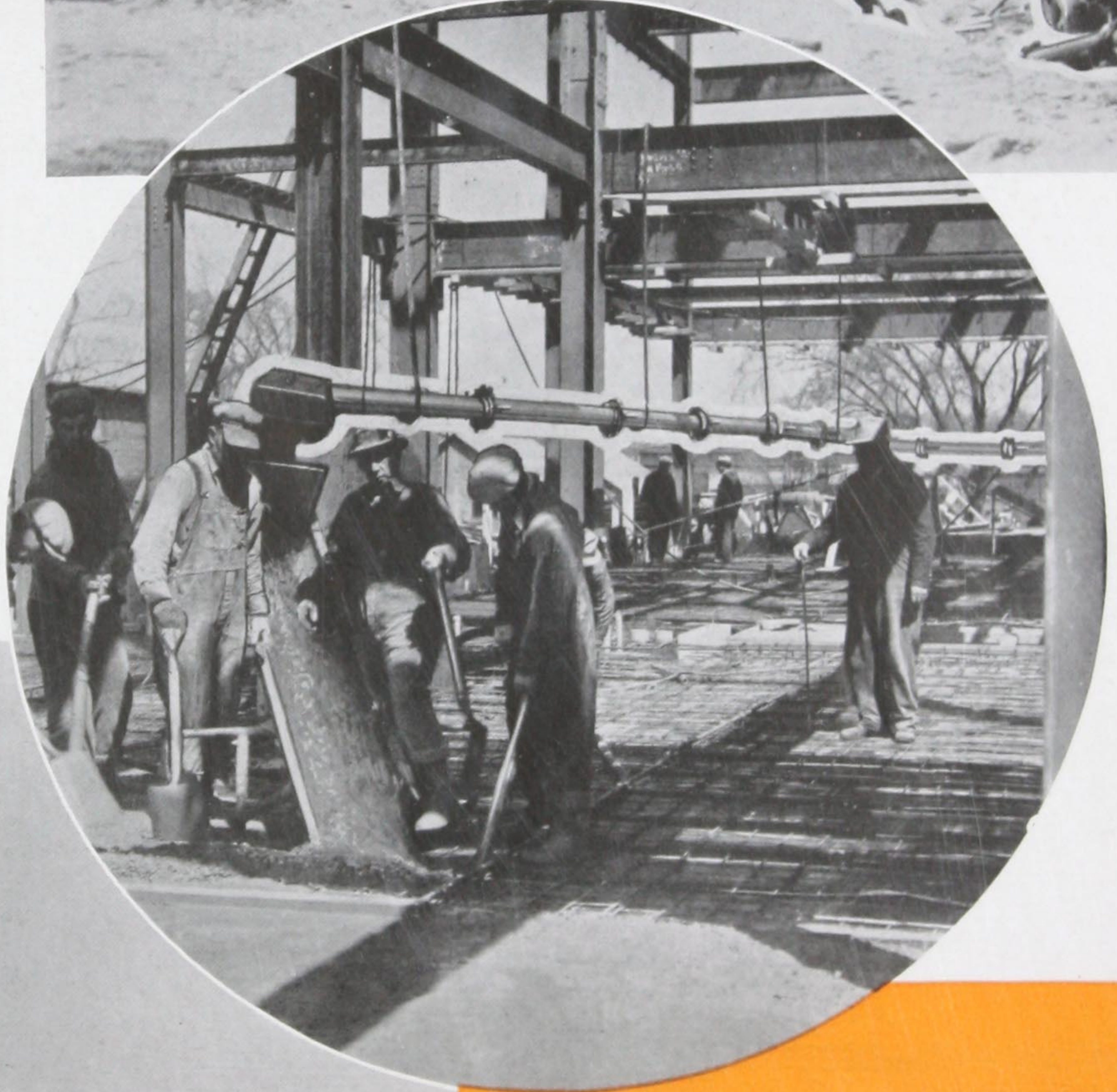
SEWAGE PLANT

In the Sewage Disposal Plant at Gary, Indiana, two Rex 160 Pumpcretes placed concrete in the bottoms, sidewalls and decks of the 90-ft. diameter tanks. The merry-go-round distributing chute helped to obtain exceptionally low placement costs.



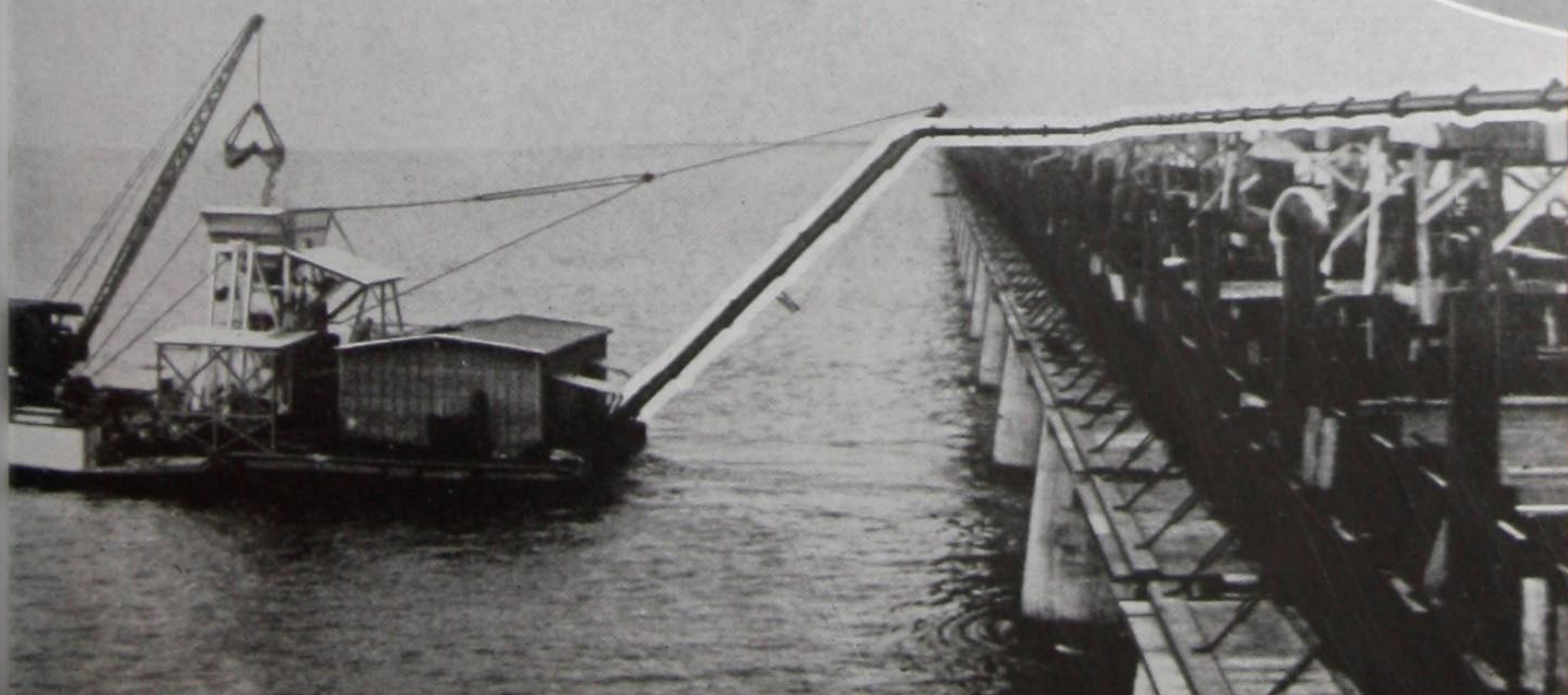
HIGH SCHOOL

13,000 cubic yards of concrete were placed in walls, floor slabs, columns, and beams of a new Milwaukee High School. Notice how the pipe line, suspended from girders, is completely out of the workman's way. It's easy to place a lot of yards per day with this simple set-up.

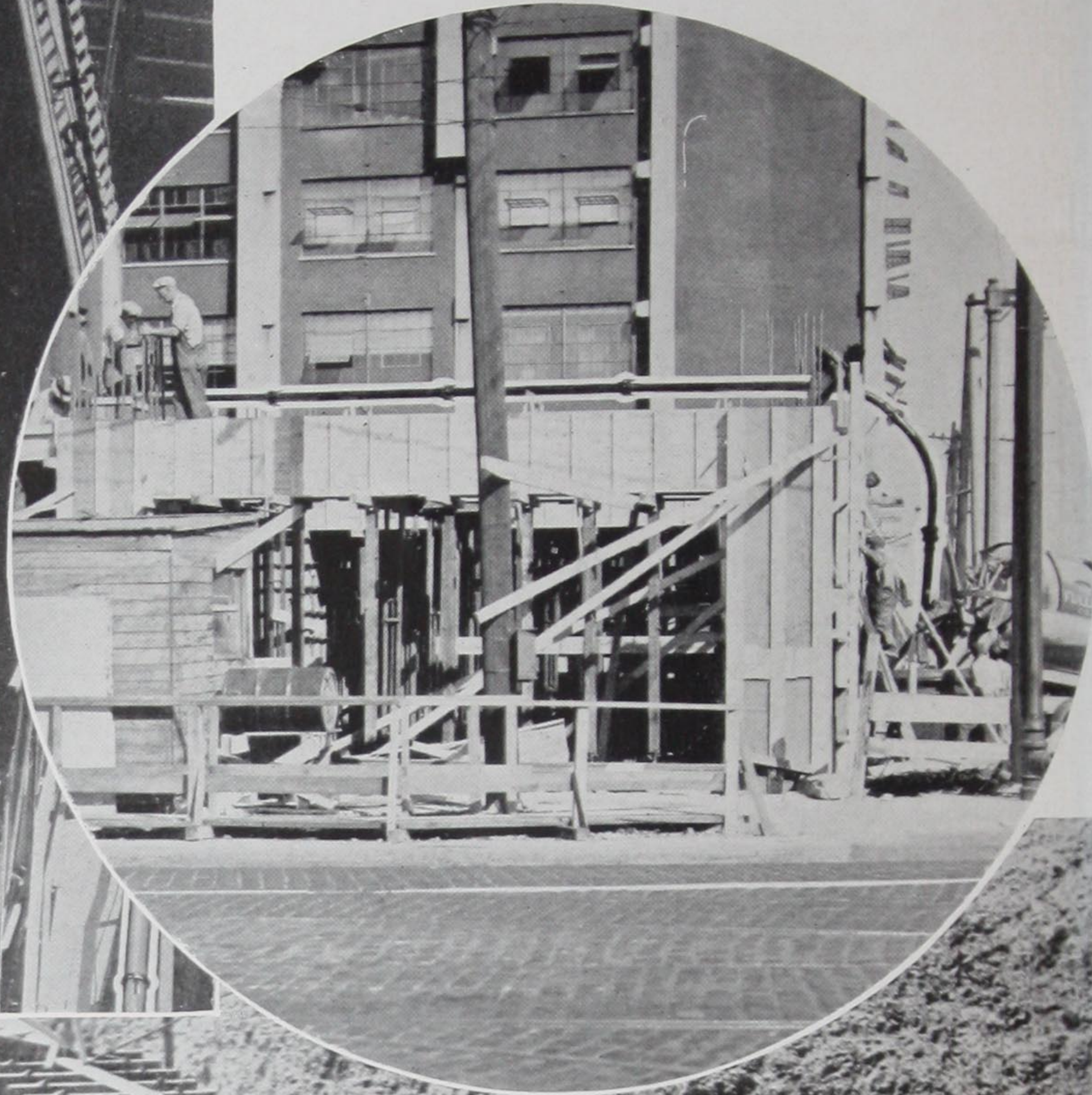
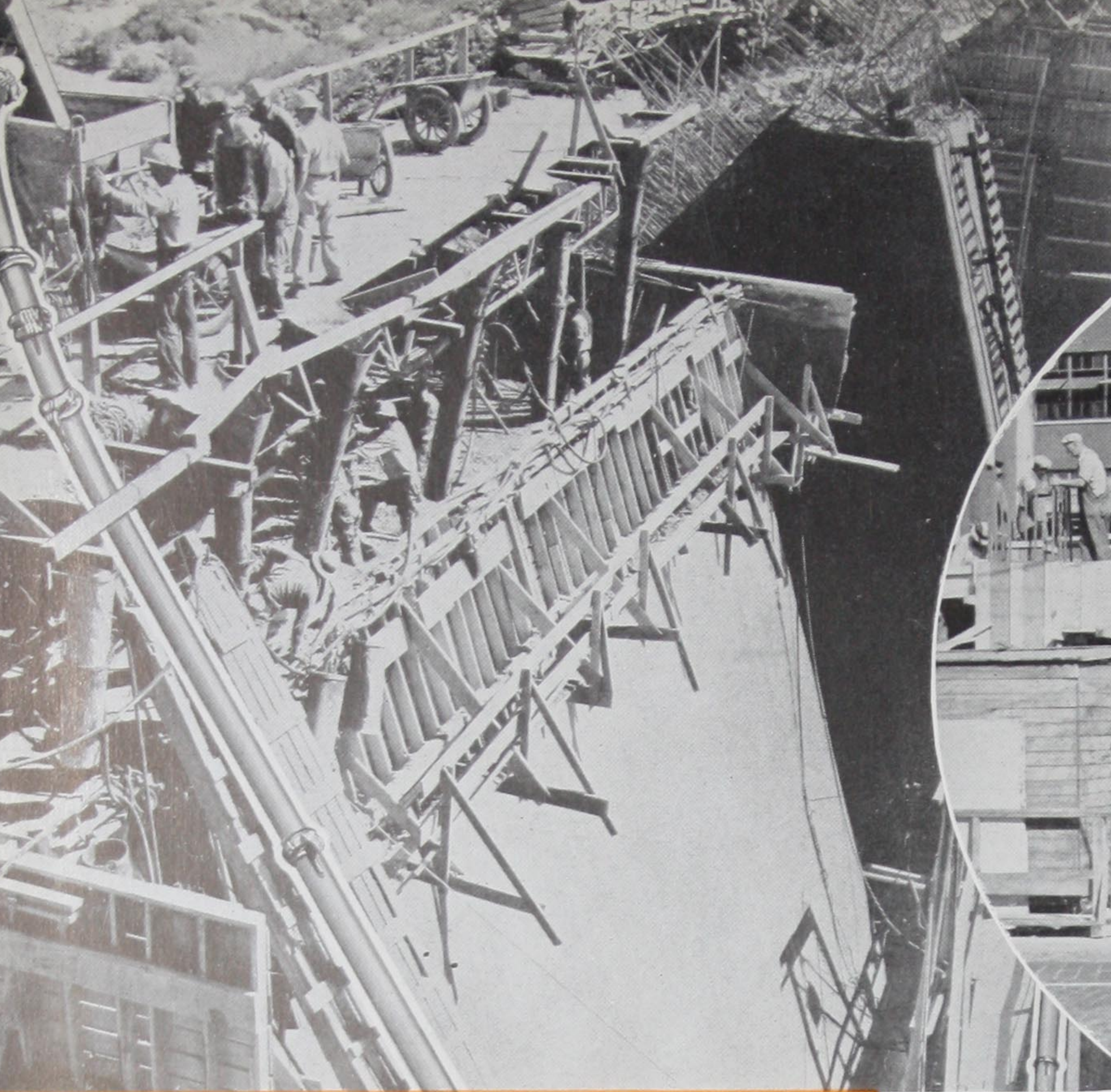


MARINE HIGHWAY

Concrete for the bridge decking of the Key West Highway is pumped into the forms by a Rex Pumpcrete located on a barge. The Pumpcrete set-up on the barge was very mobile—far easier to handle than any other system which might have been used.



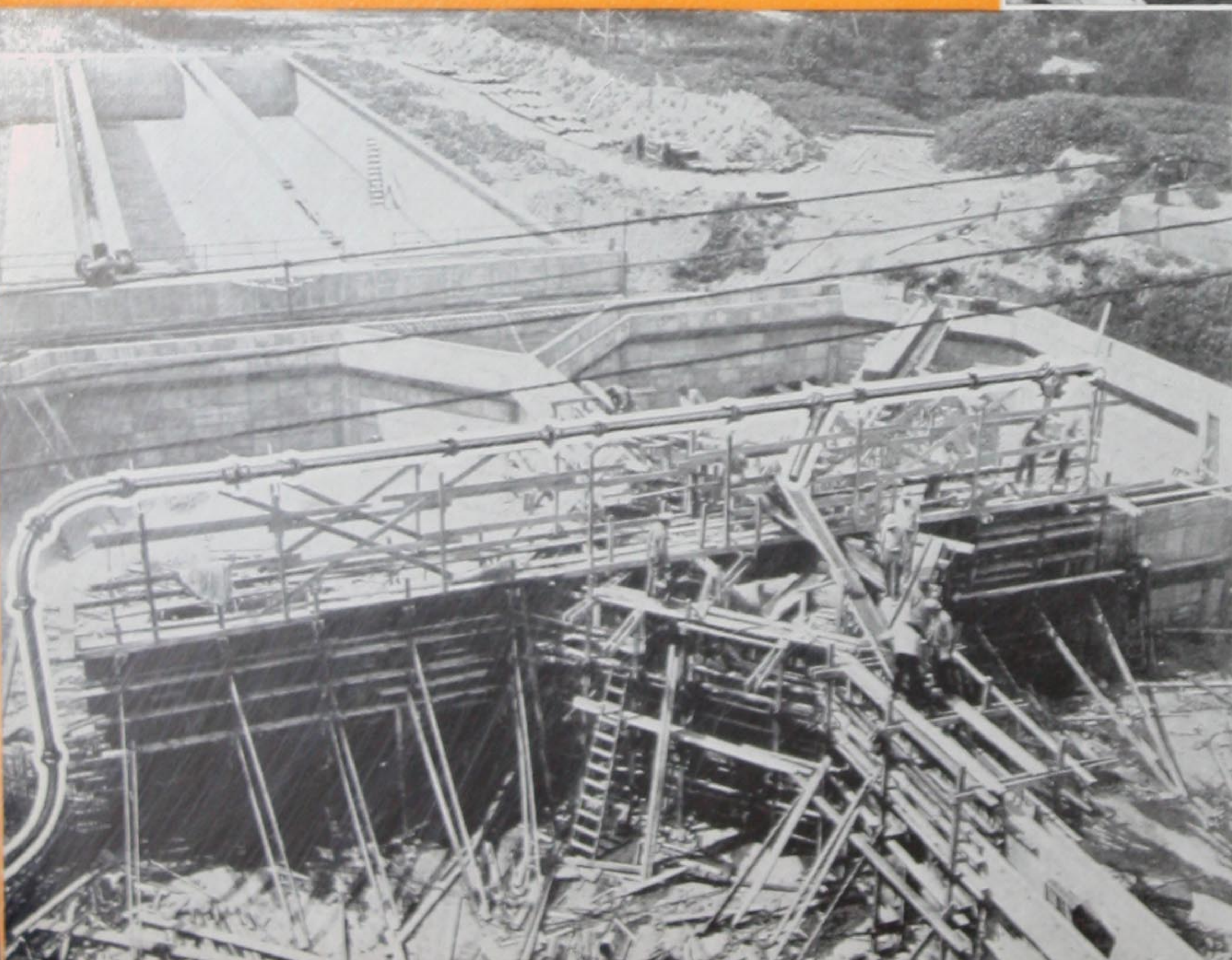
Fed by Rex Moto-Mixers this Rex 160 Pumpcrete is placing 2,500 cubic yards of concrete for a new four-story addition to a large industrial plant.

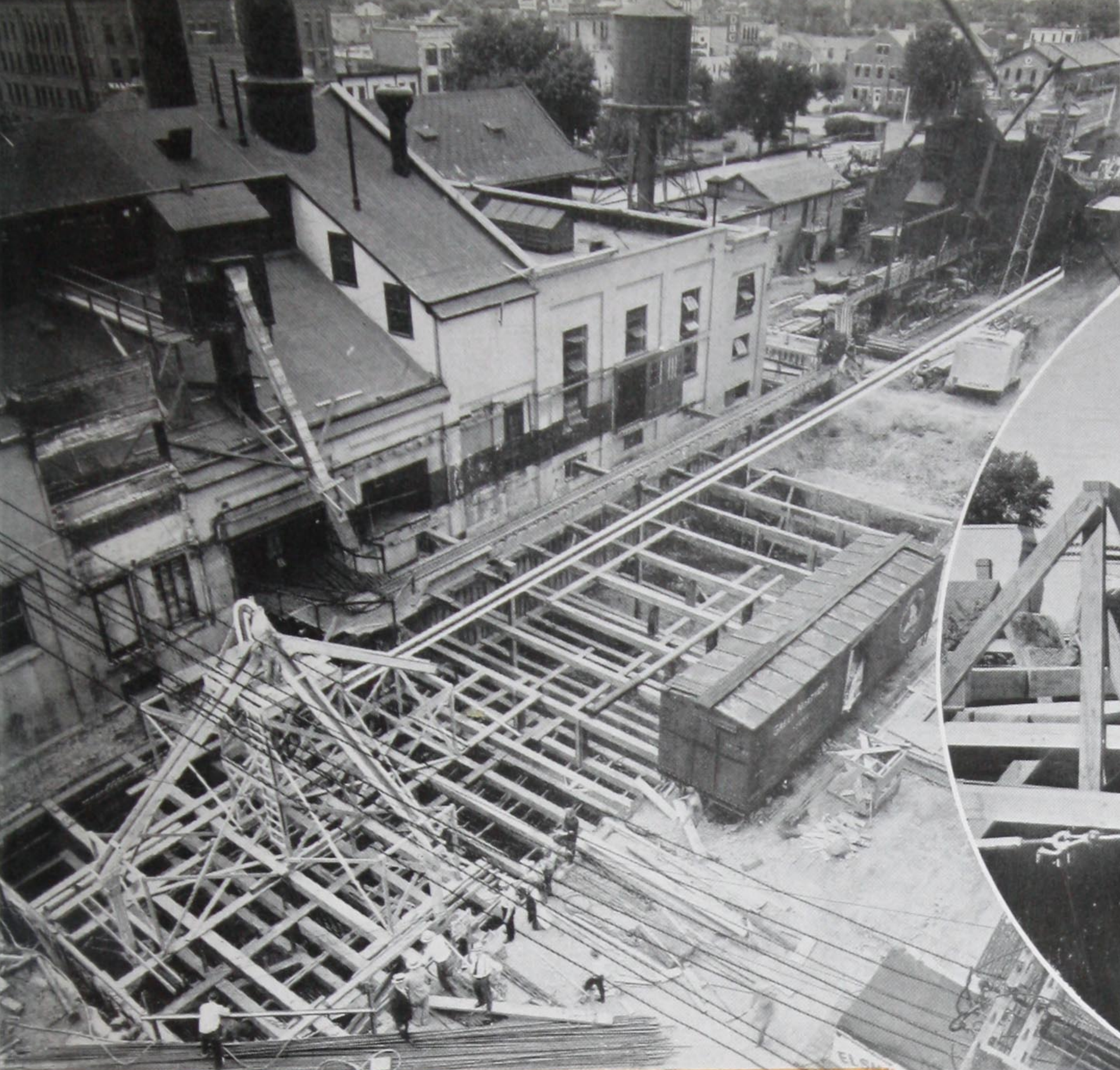


180,000 cu. yds. of concrete were placed in Bartlett Dam by the Rex Pumpcrete. No towers, hoists or expensive lifting equipment were necessary.

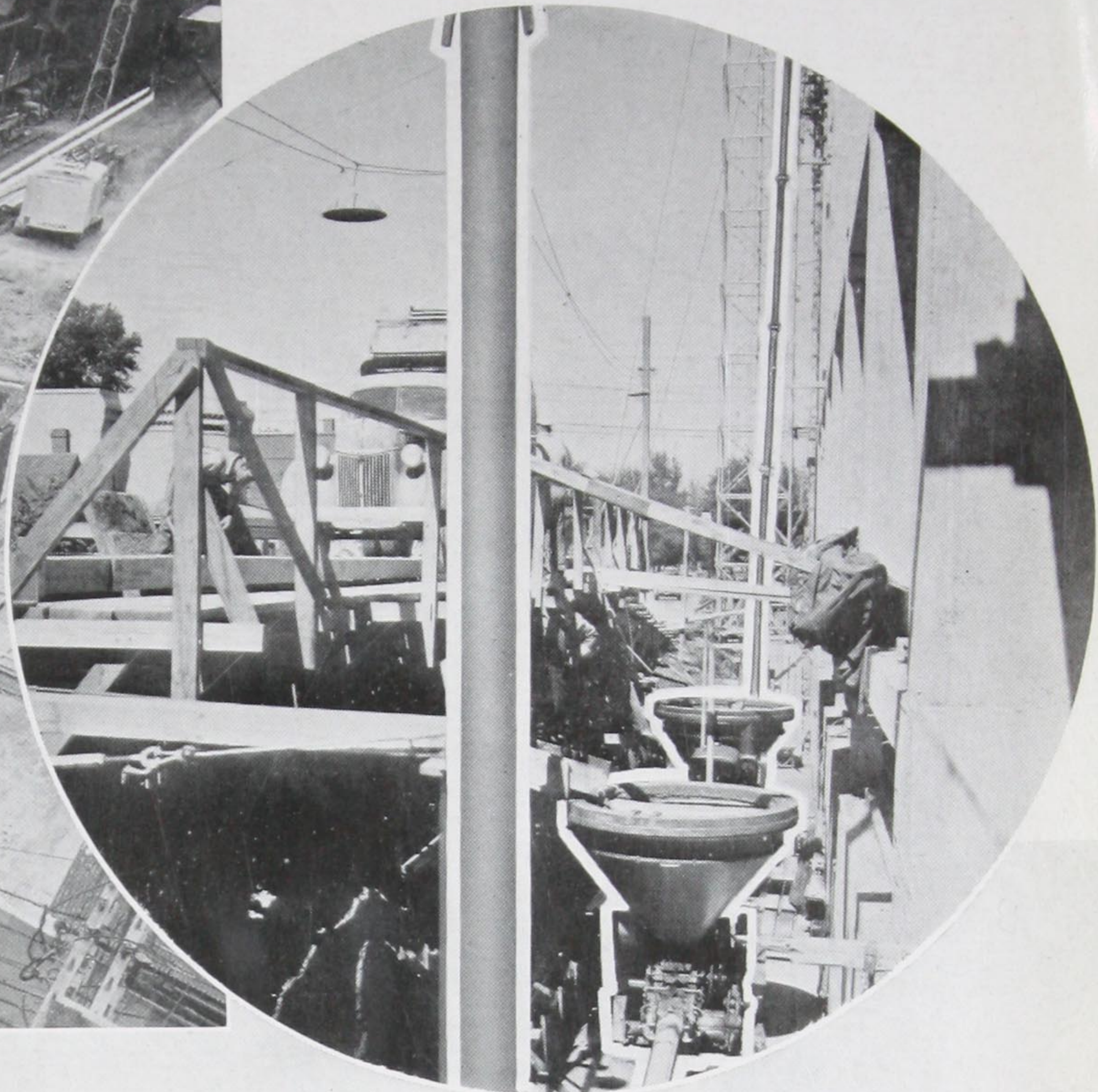
1,000,000 cubic yards of concrete and over were pumped in place in the 91 miles of tunnels required by the Colorado River Aqueduct. One of 10 special tunnel lining Pumpcretes is shown at the right.

Here is the Rex Pumpcrete placing concrete in the walls of both circular and rectangular tanks in the Indianapolis Sewage Disposal Plant. The construction problem of placing concrete for complicated slabs and tank walls is easily pumped by the Rex Pumpcrete.





Two Rex 160 Pumpcretes pumped 15,000 cubic yards of high early strength concrete in this industrial addition. At one time there was a non-stop pour of 3,500 yards put into the basement foundation.



2,500 cubic yards of concrete were pumped into the forms for this plant addition in Fargo, North Dakota, by the Rex 160 Pumpcrete without interfering with plant activity during the time of construction.

60,000 cubic yards of concrete went into the Bronx Anchorage of the Bronx-White-stone bridge pumped vertically as high as 100 feet.

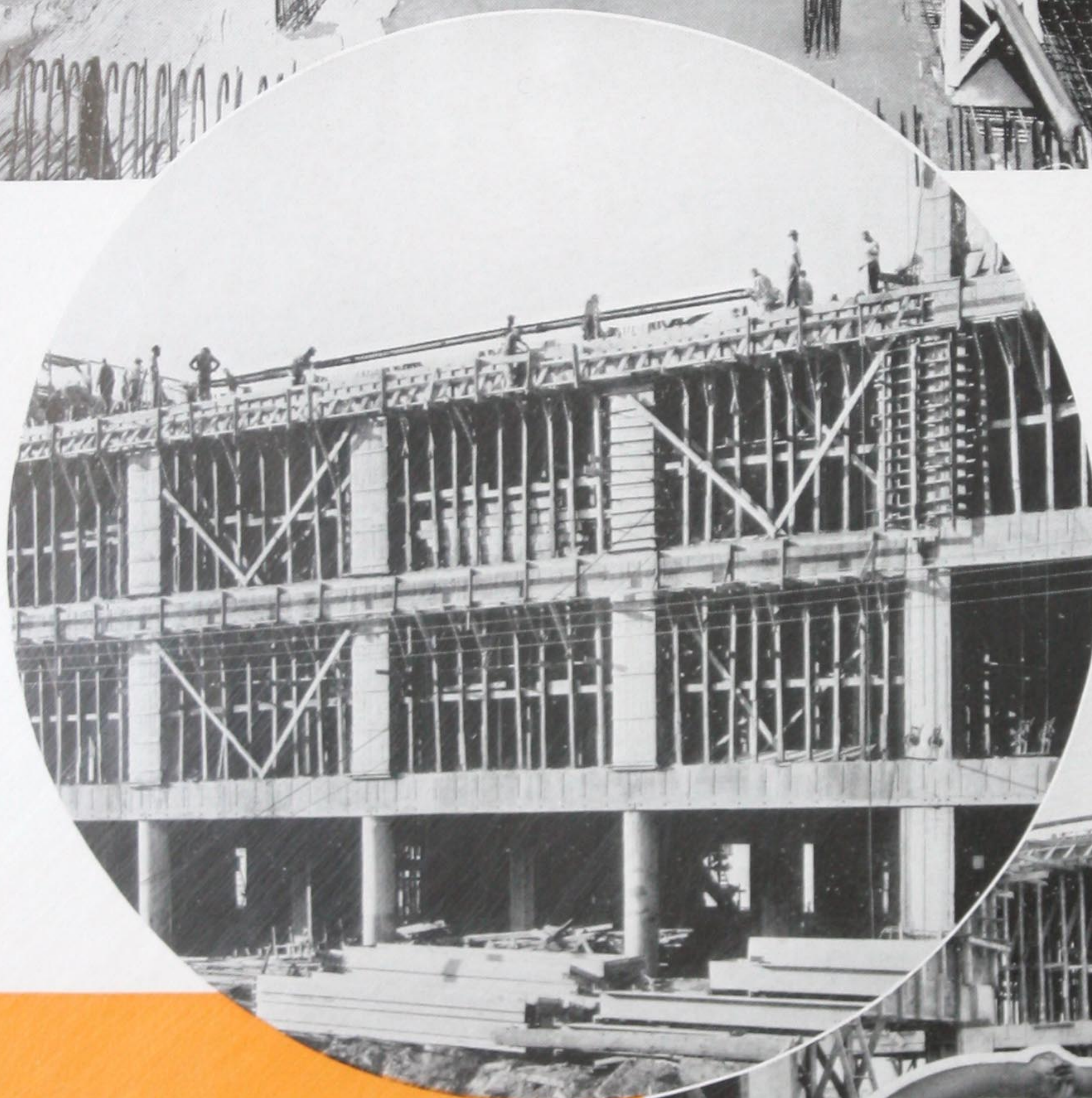
On the fifth floor and still going up — here's the end of the pipeline on the fifth floor of a state building in Madison, Wisconsin.



HERE'S WHAT THE PUMPCRETE HAS DONE

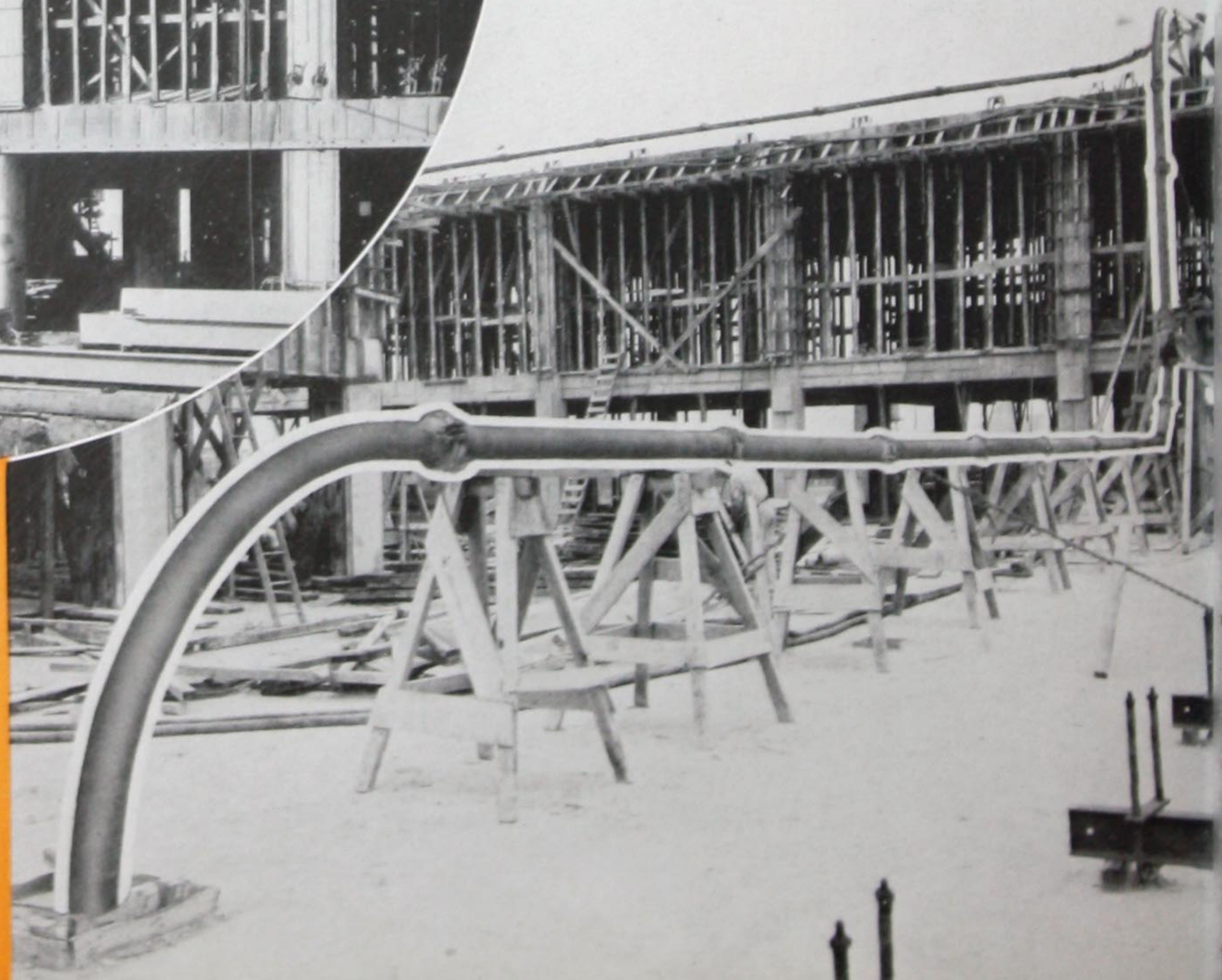


210,000 cubic yards of concrete were placed in the substructure of the world's largest filtration plant by two 200 double Pumpcretes and two 200 single Pumpcretes. These Pumpcretes were fed by six Rex 28-S Mixers. Here is shown the discharge end of one of the pipe lines hundreds of feet away from the Pumpcrete and mixing plant which can be seen in the upper left hand corner of the picture.

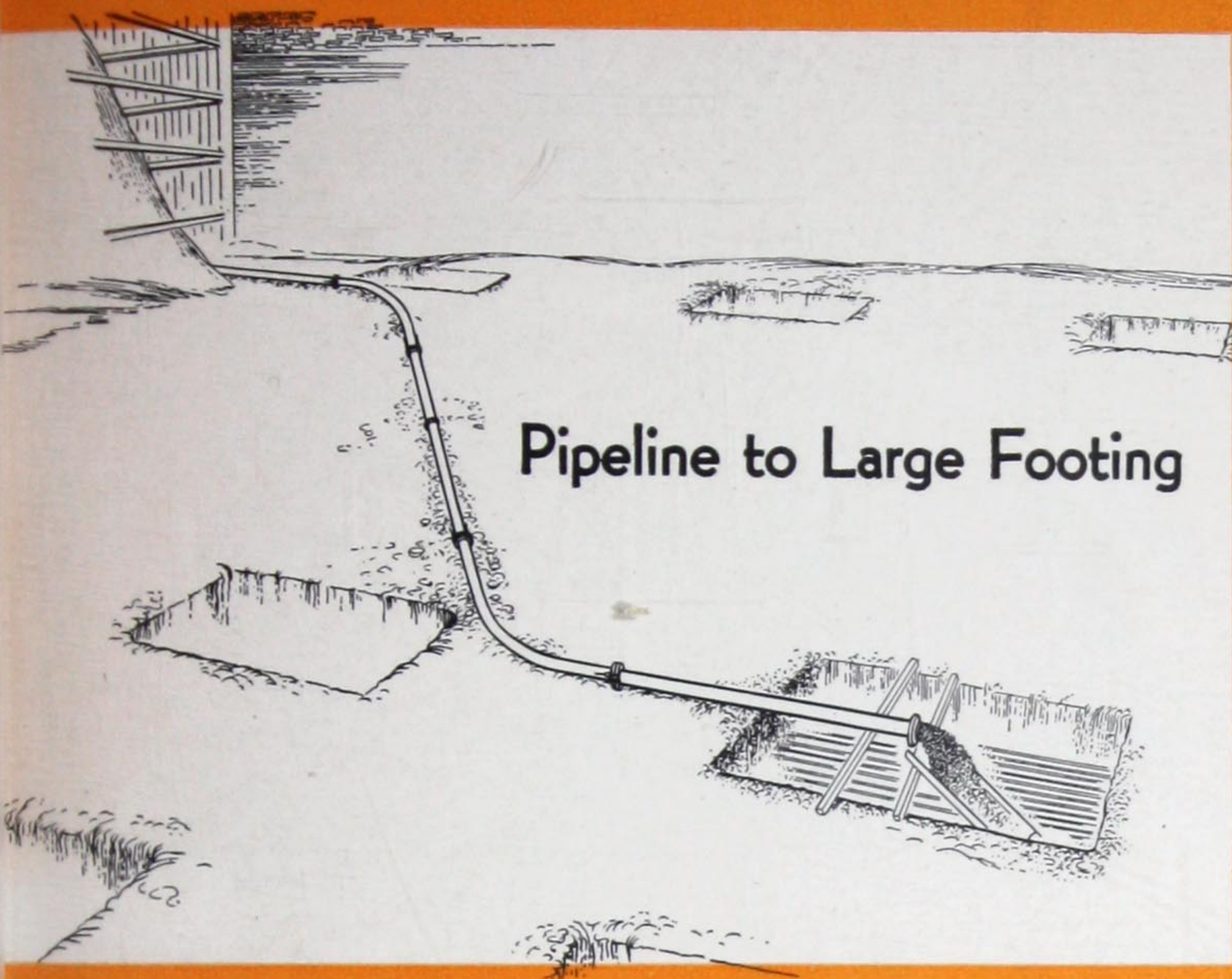


On this United States Army Quartermaster's depot, two Rex 200 Double Pumpcretes pumped 52,000 cubic yards of concrete into the footings, columns, walls and floor slabs. It is a four-story building 200 ft. x 975 ft. in area. This is just another instance of the economical and practical application of placing concrete by the Pumpcrete method in building construction.

Here's another ordnance building where Pumpcrete is being used advantageously. Here again the Pumpcrete is economically placing concrete in the columns, walls and floor slab. The pipe line mounted on horses is easy to set up, easy to take down and move. If you want details on how the Rex Pumpcrete will fit in with your plans to bid on more jobs—and get more jobs—see your nearest Rex distributor or write to our office in Milwaukee.

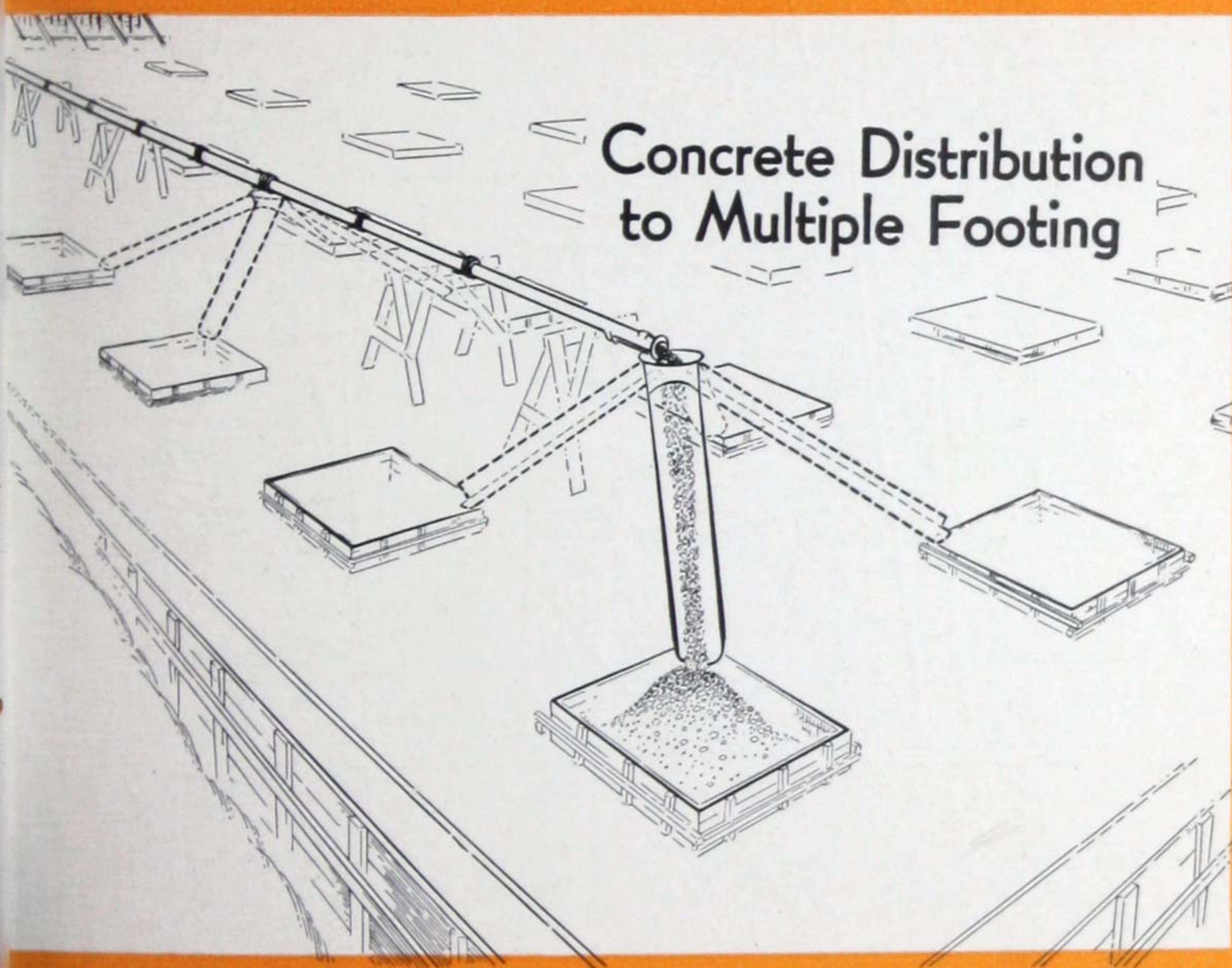
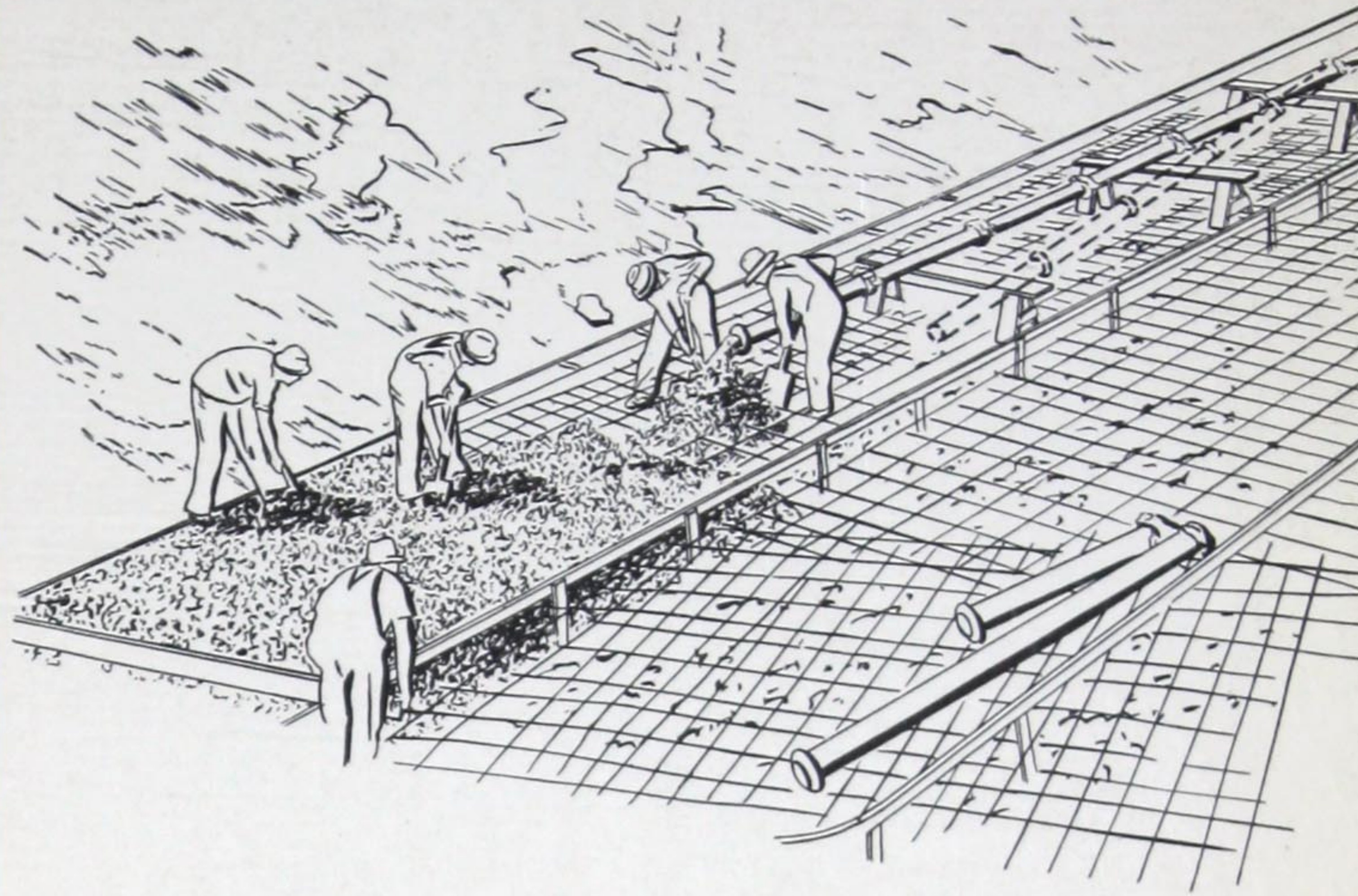


FROM MIXER TO FORMS — CONCRETE BY PIPE LINE!

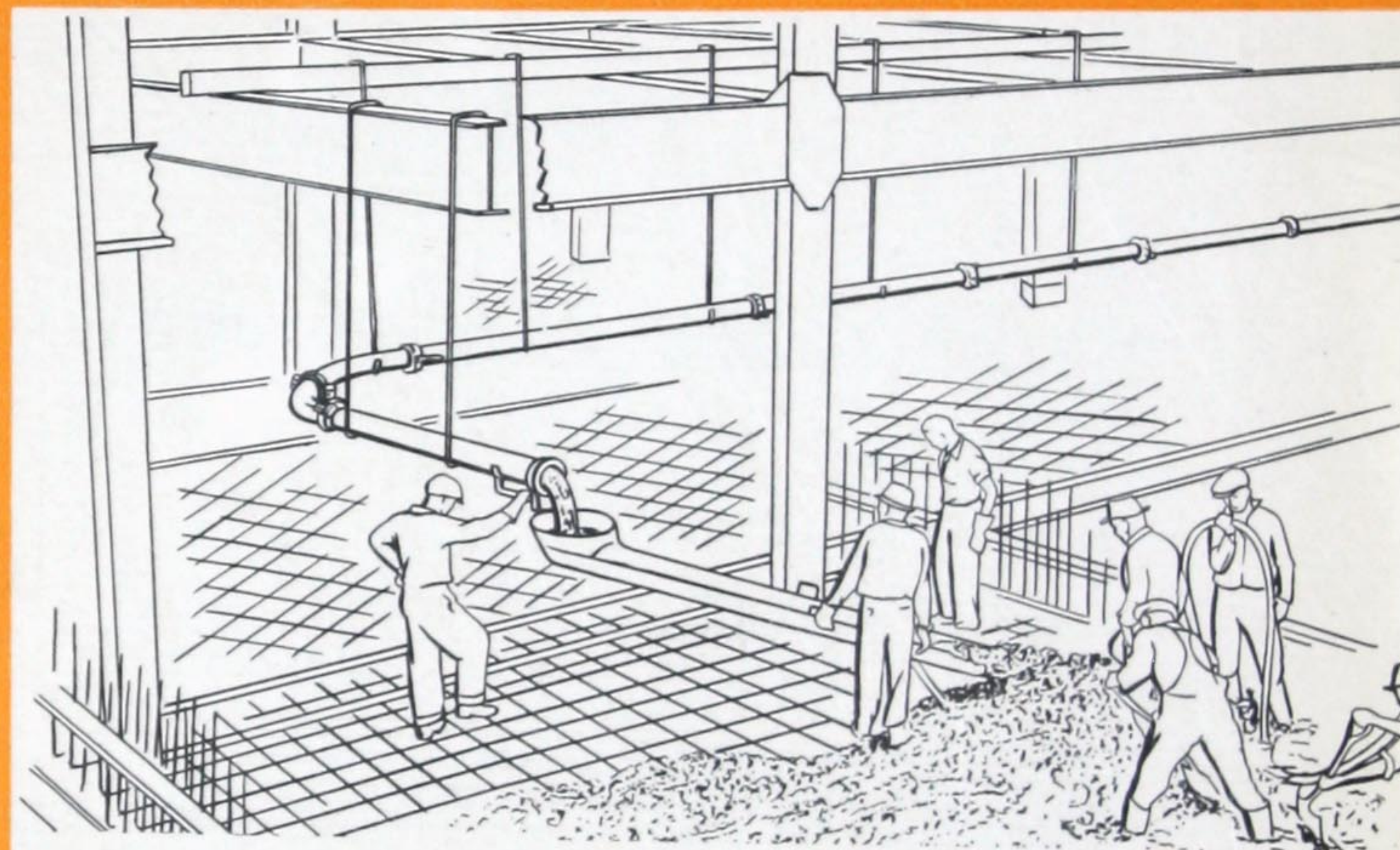


Pipeline to Large Footing

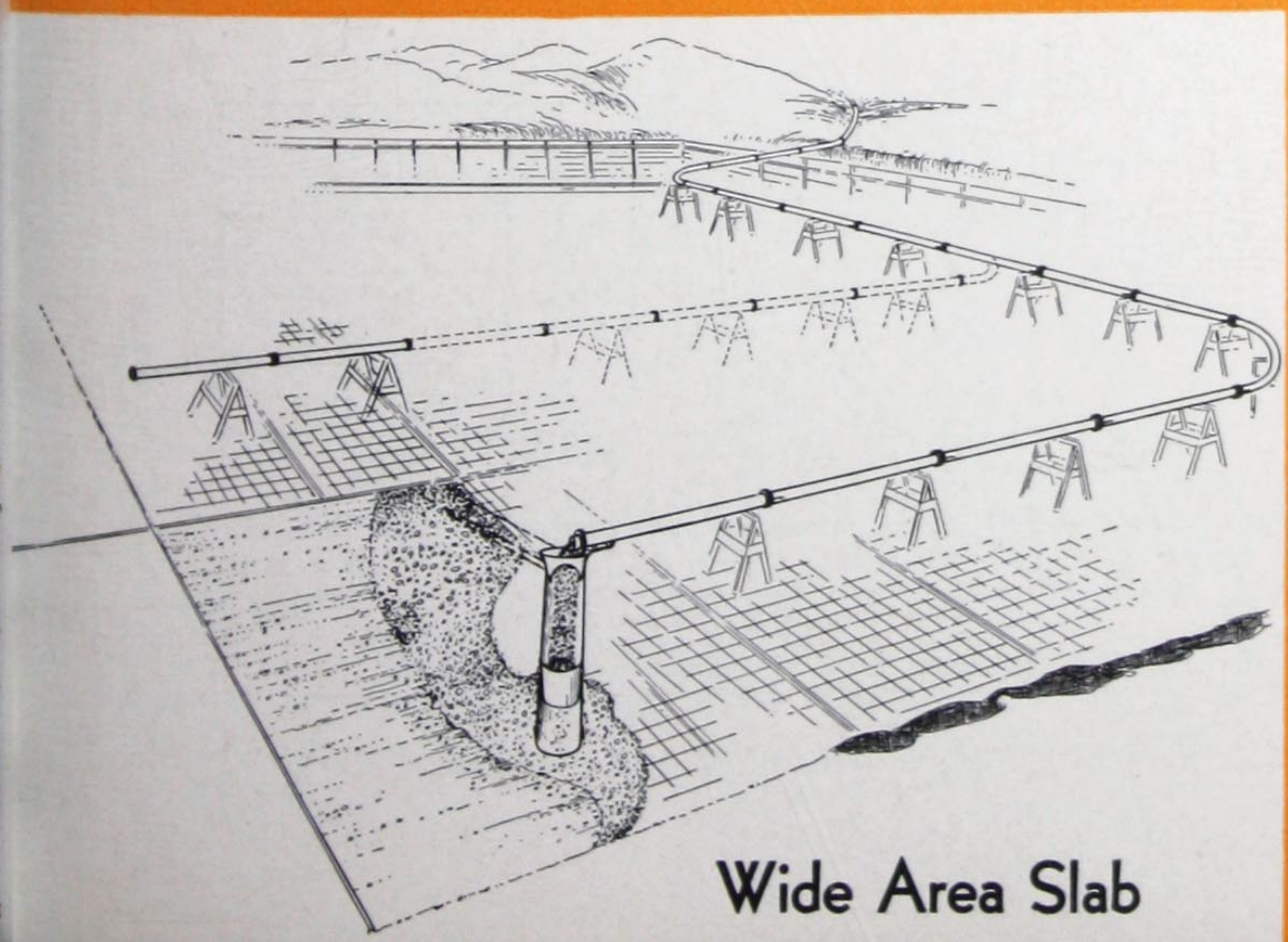
Thick Slab, Narrow Strips



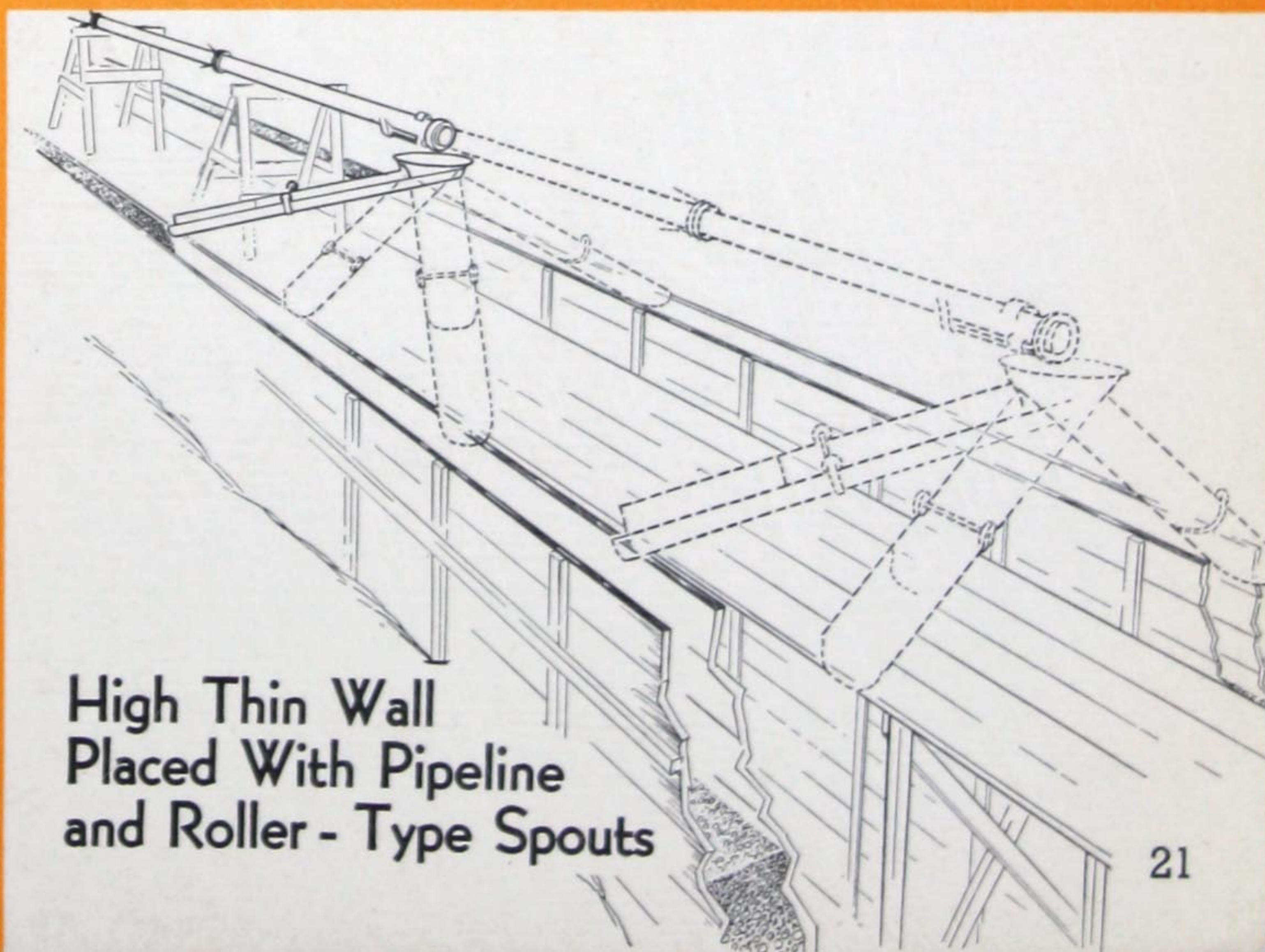
Concrete Distribution
to Multiple Footing



Floor Slabs in
Typical Building Construction



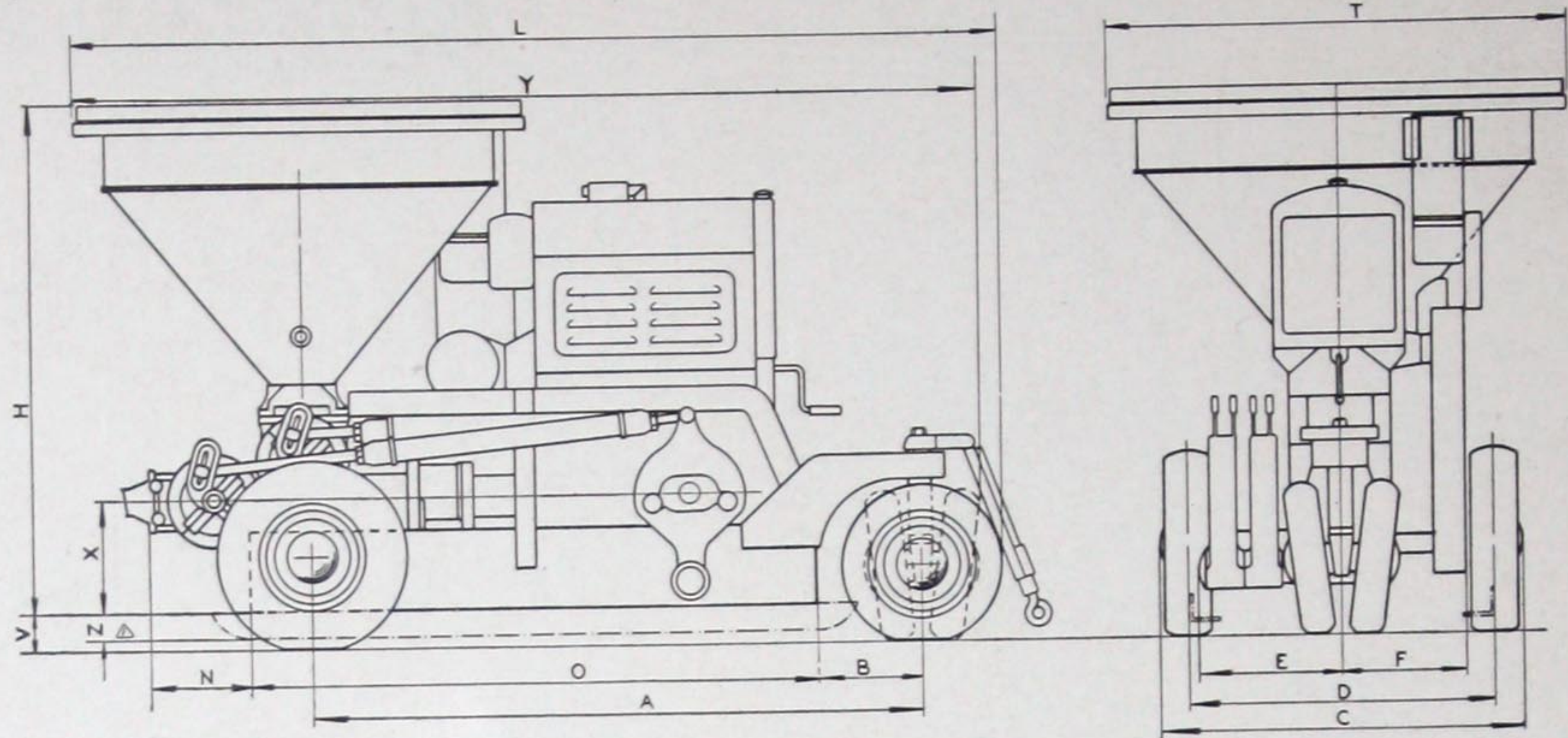
Wide Area Slab



High Thin Wall
Placed With Pipeline
and Roller - Type Spouts

DIMENSIONS AND

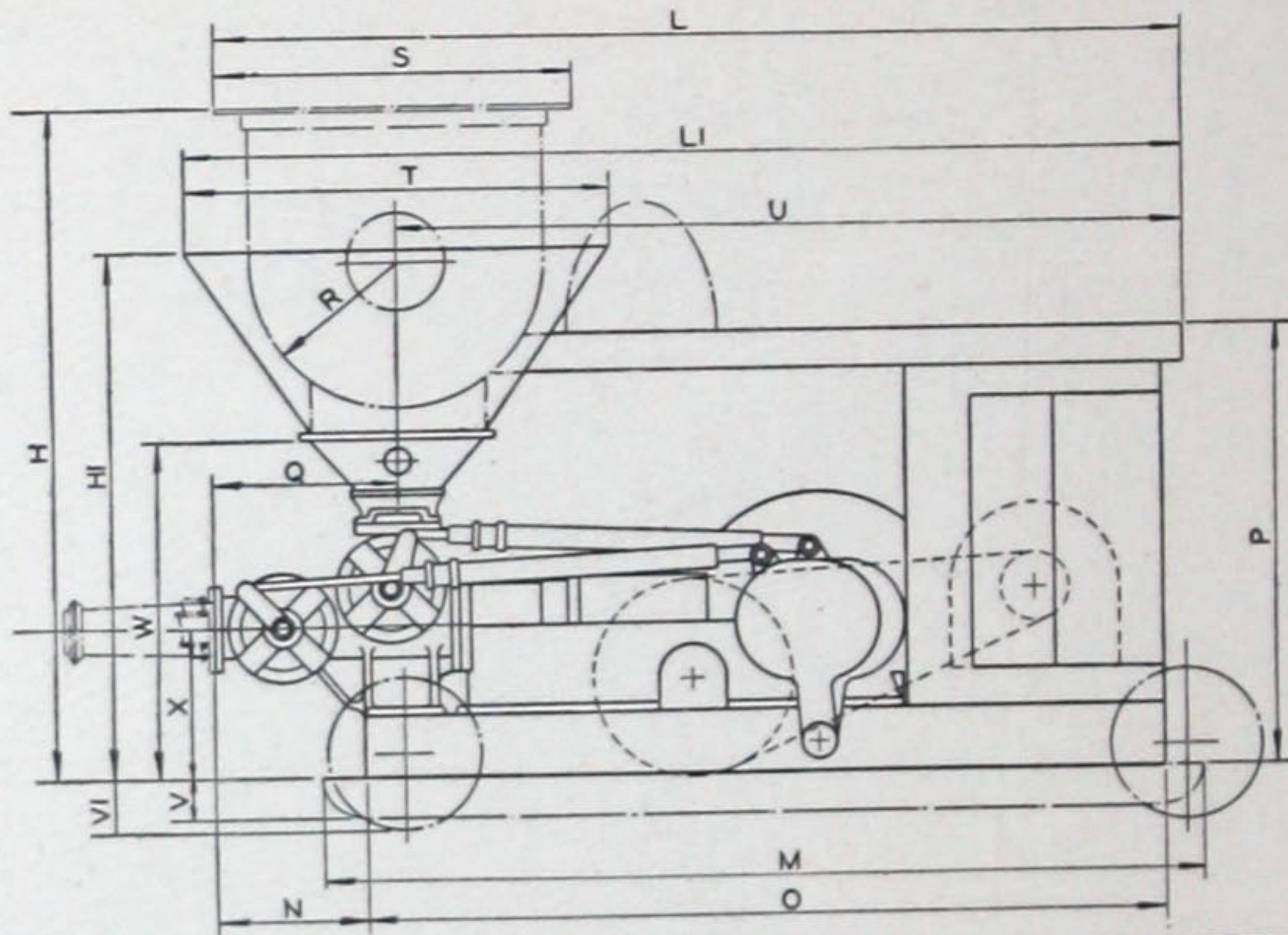
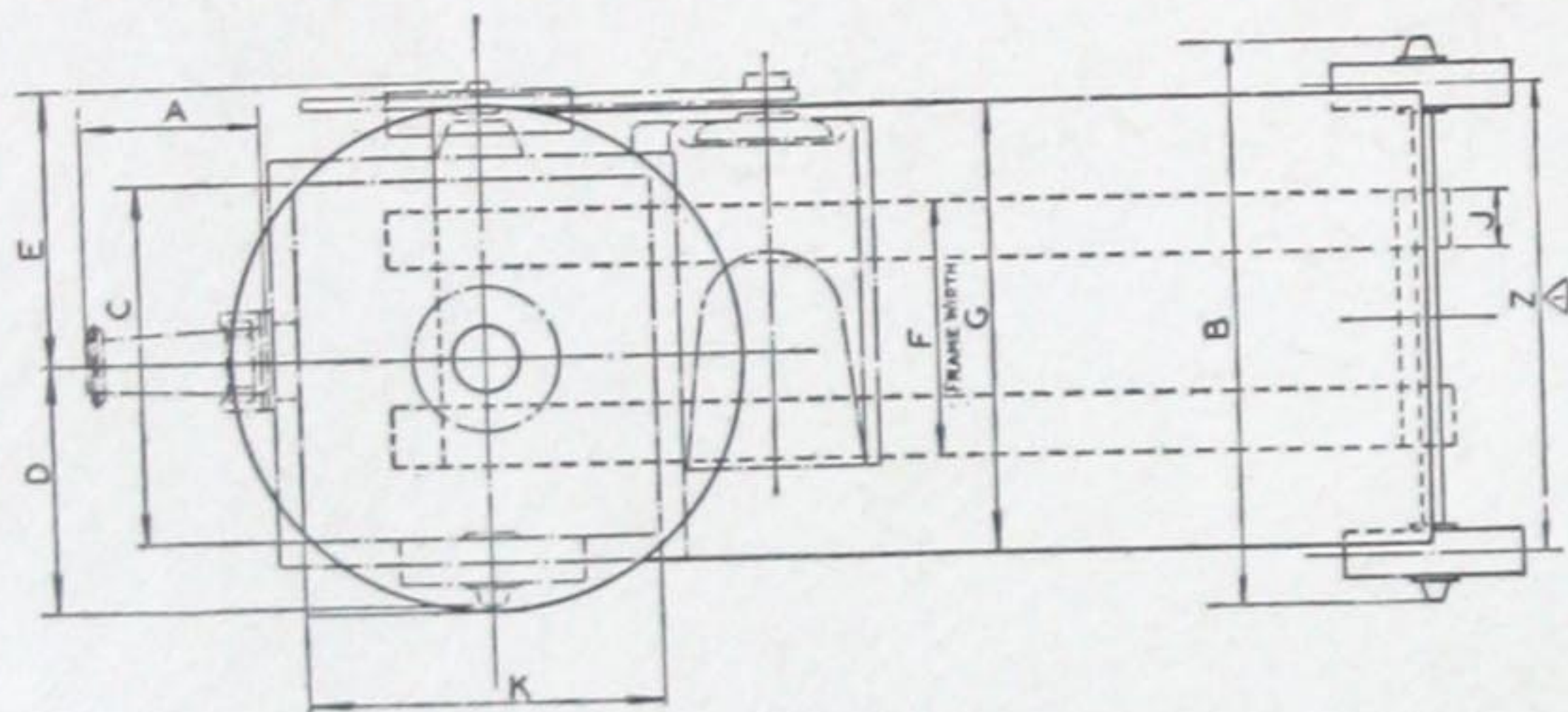
REX SINGLE PUMPCRETE MODEL No. 160



A	B	C	D	E	F	H	L	N	O	T	V	X	Y	Z
95½	16⅞	56½	48	22¼	20¾	80¼	145⅝	17	90	72	6	17¼	142¾	4

All Dimensions in Inches.*

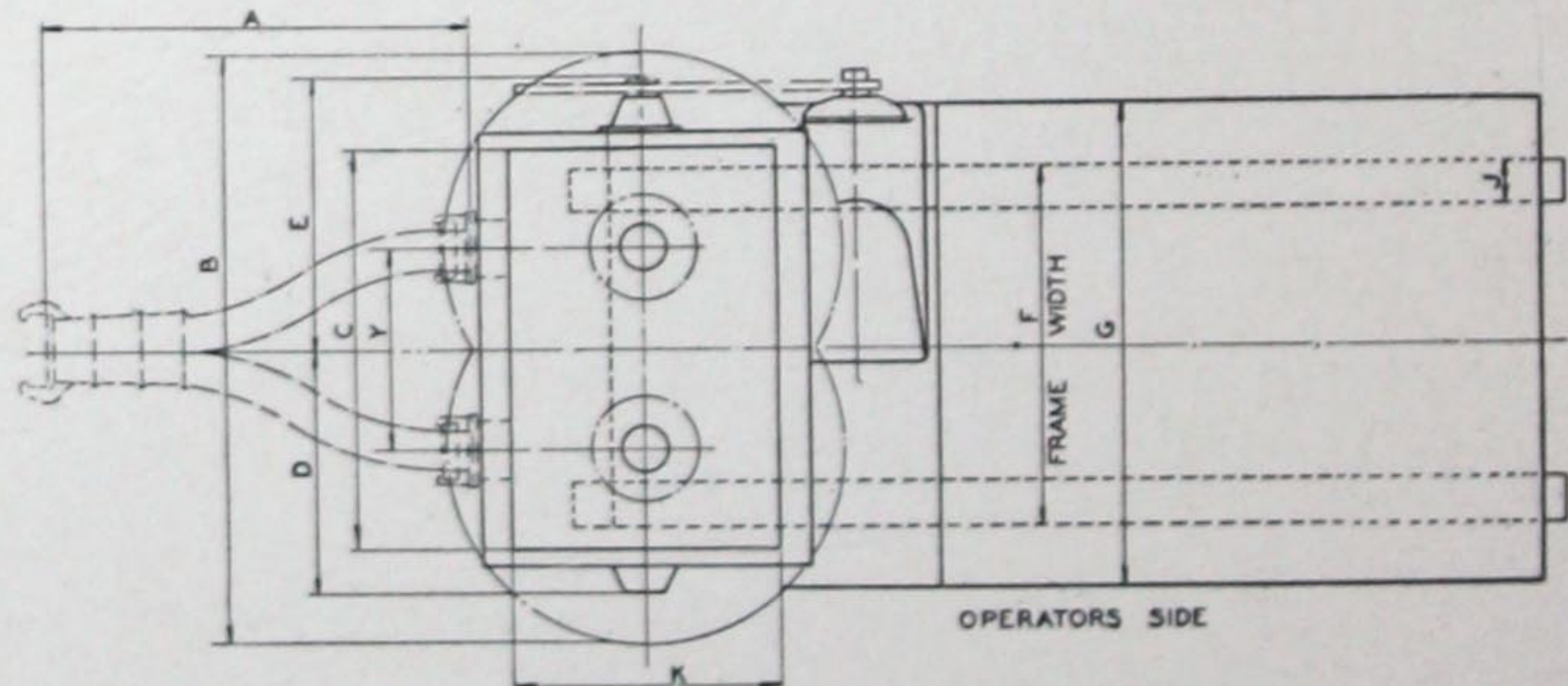
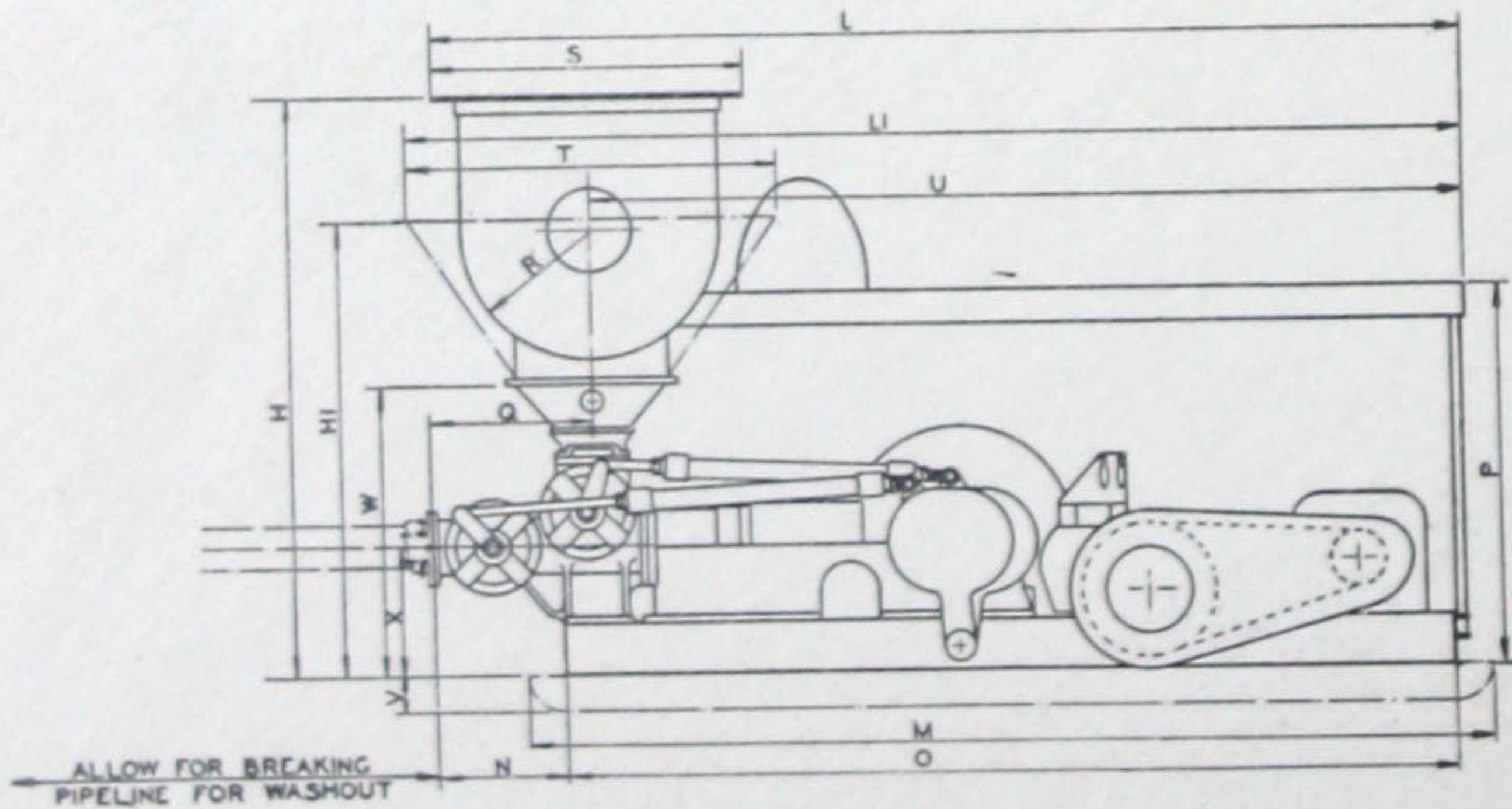
REX SINGLE PUMPCRETE MODEL No. 200



A	B	C	D	E	F	G	H	H1	J	K	L	L1	M	N	O	P	Q	R	S	T	U	V	VI	W	X	Z
24	73½	46¾	31¾	37¾	34⅜	59½	102¾	81¼	8	48	151	158½	138	23¾	126	67⅝	29¼	24	54½	69½	123¾	4⅝	8	51¾	22¾	60½

All Dimensions in Inches.*

REX DOUBLE PUMPCRETE MODEL Nos. 160 & 200



	A	B	C	D	E	F	G	H	H1	J	K	L	L1	M	N	O	P	Q	R	S	T	U	V	W	X	Y
Model 160.....	75		46¾	31¾	37¾	46	73¼	94½		8	48	151		138	17	128¾	59¼	25⅝	24	54½		124¾	6½		17¼	30
Model 200.....	75	105⅝	70¾	44	50½	64	88	104¾	83¼	8	48	171	176½	156	23¾	144	67½	29¼	24	58½	69½	141¾	6½	53¾	24¾	36

All Dimensions in Inches.*

*These dimensions are for reference only and should not be used for layout purposes. Certified dimensions will be sent upon request if a permanent mounting is to be made or if exact dimensions are required for mounting.

SPECIFICATIONS

Model	160 Single	200 Single	160 Double	200 Double
Capacity (Cu. Yds. per Hr.)	15-20	25-33	30-40	50-65
Bore & Stroke	6.3"x12"	7.9"x12"	6.3"x12"	7.9"x12"
R.P.M. (Approx.)	50	50	50	50
Max. Size Aggregate	2"	3"	2"	3"
Size of Pipe	6" or 7"	7" or 8"	6" or 7"	8"
Power Gasoline				
Pumpcrete				
H. P.	25-30	35-40	35-40	50-55
Cyls.	4	6	4	6
R. P. M.	1800	1430	1600	1430
Bore & Stroke	3 $\frac{5}{8}$ x4 $\frac{1}{2}$	3 $\frac{3}{4}$ x4 $\frac{1}{4}$	4x4	4 $\frac{1}{4}$ x4 $\frac{3}{4}$
Cooling	Water	Water	Water	Water
Remixer—Conc. Cap.	$\frac{3}{4}$ Cu. Yds.	2 Cu. Yds.	2 Cu. Yds.	3 Cu. Yds.
H. P.	POWER	10.8	10.8	10.8
Cyls.	4	4	4	4
R. P. M.	FROM	1200	1200	1200
Bore & Stroke	PUMP	2 $\frac{7}{8}$ x3 $\frac{1}{2}$	2 $\frac{7}{8}$ x3 $\frac{1}{2}$	2 $\frac{7}{8}$ x3 $\frac{1}{2}$
Cooling	DRIVE	Water	Water	Water
Power Electric				
Pumpcrete	2 Speed		2 Speed	
H. P.	20 10	30	30 15	50
Speed	1800-900	1200	1800-900	1800
Current	AC	AC	AC	AC
Voltage	220/440	220/440	220/440	220/440
Cycle	60	60	60	60
Remixer				
H. P.	POWER	5	5	7.5
Current	FROM	AC	AC	AC
Voltage	PUMP	220/440	220/440	220/440
Cycle	DRIVE	60	60	60
Average Pumping				
Distance (Straight Pipe)				
Horizontal	800 Ft.	1200	800 Ft.	1200
Vertical	100 Ft.	120	100 Ft.	120

WEIGHT (NET LBS.) ON WHEELS

Complete Machine—
Gasoline engine and
remixing hopper

6600

14550

Complete Machine—
Electric power and
remixing hopper

6800

14700

WEIGHT (NET LBS.) ON SKIDS

Complete Machine—
Gasoline engine and
remixing hopper

6400

14150

14625

24600

Complete Machine—
Electric power and
remixing hopper

6600

14300

14850

25400

Wt. of Wheel Mtg.

300

900

Wt. of Skid Mtg.

100

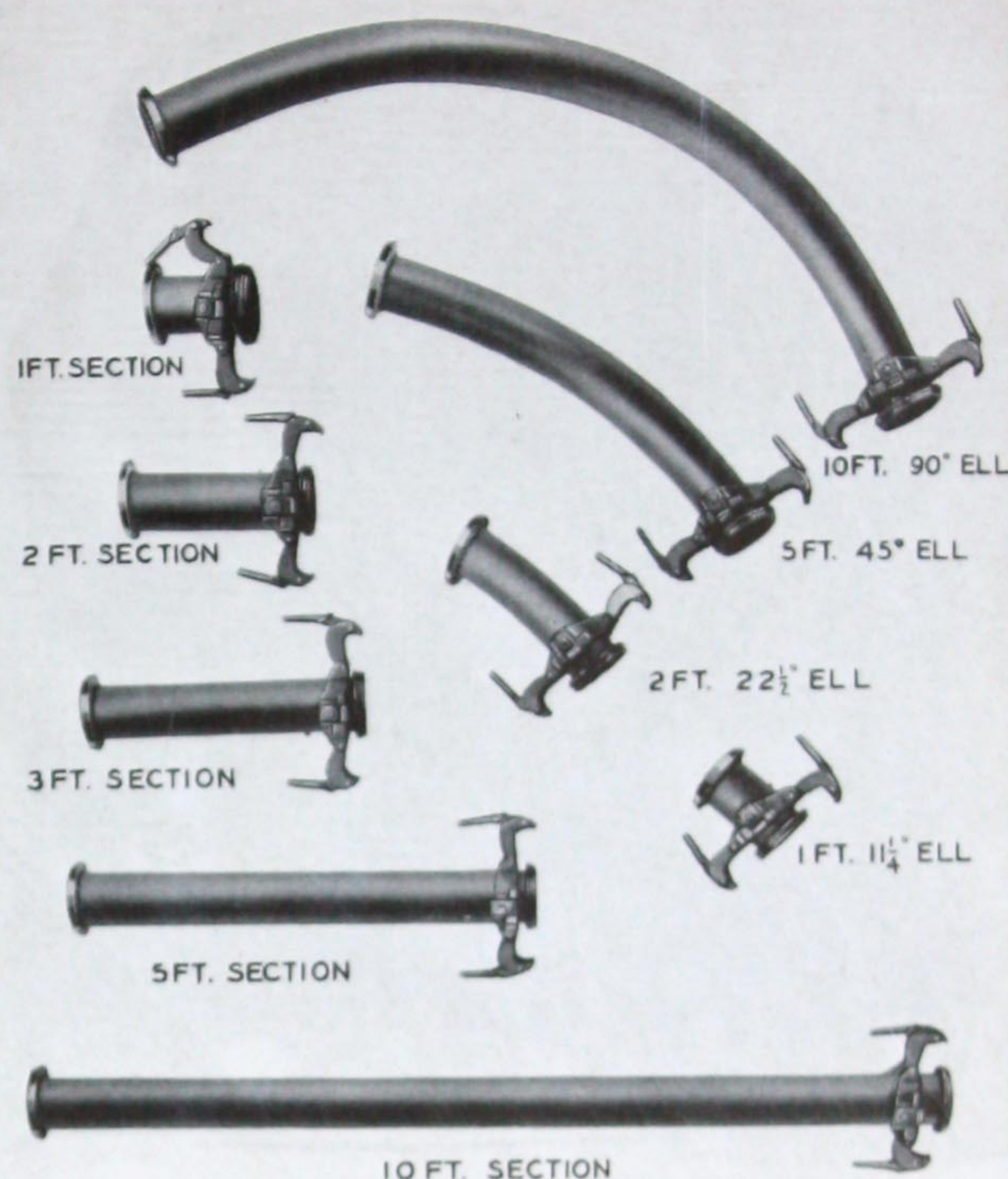
500

250

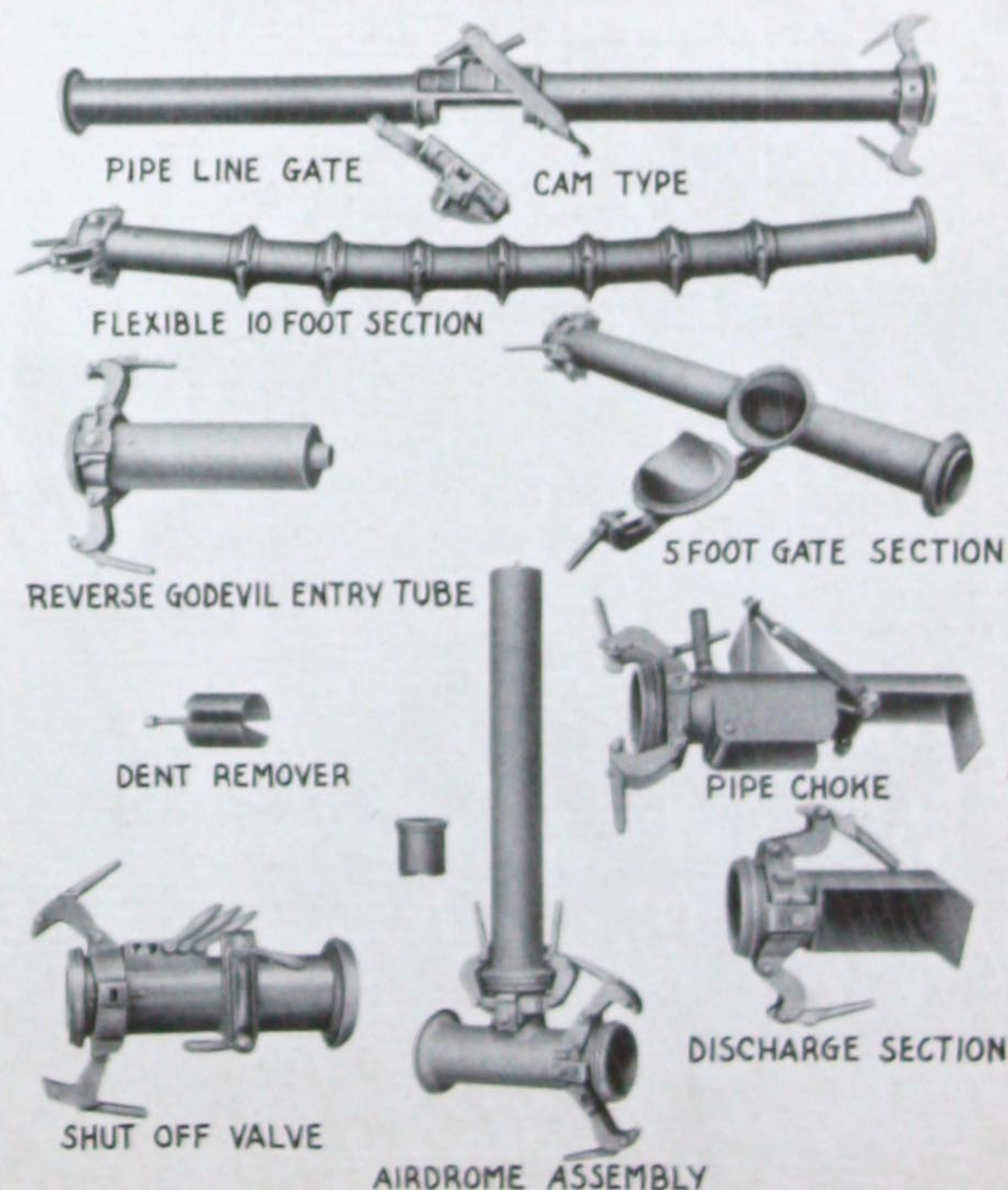
800

In line with the policy of the company to constantly improve its products, the specifications and dimensions in the catalog are subject to change without notice and are not warranted.

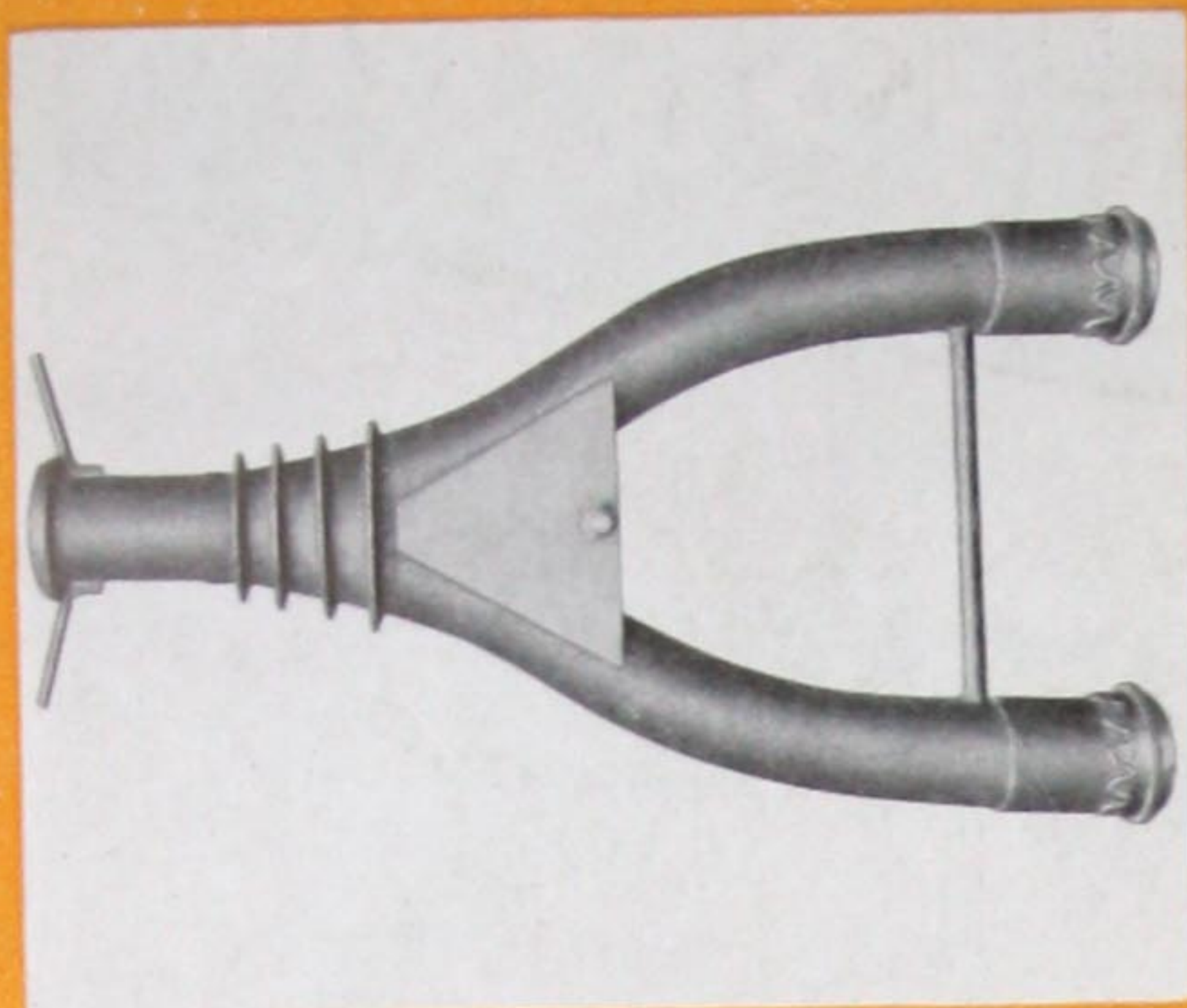
PIPELINE EQUIPMENT



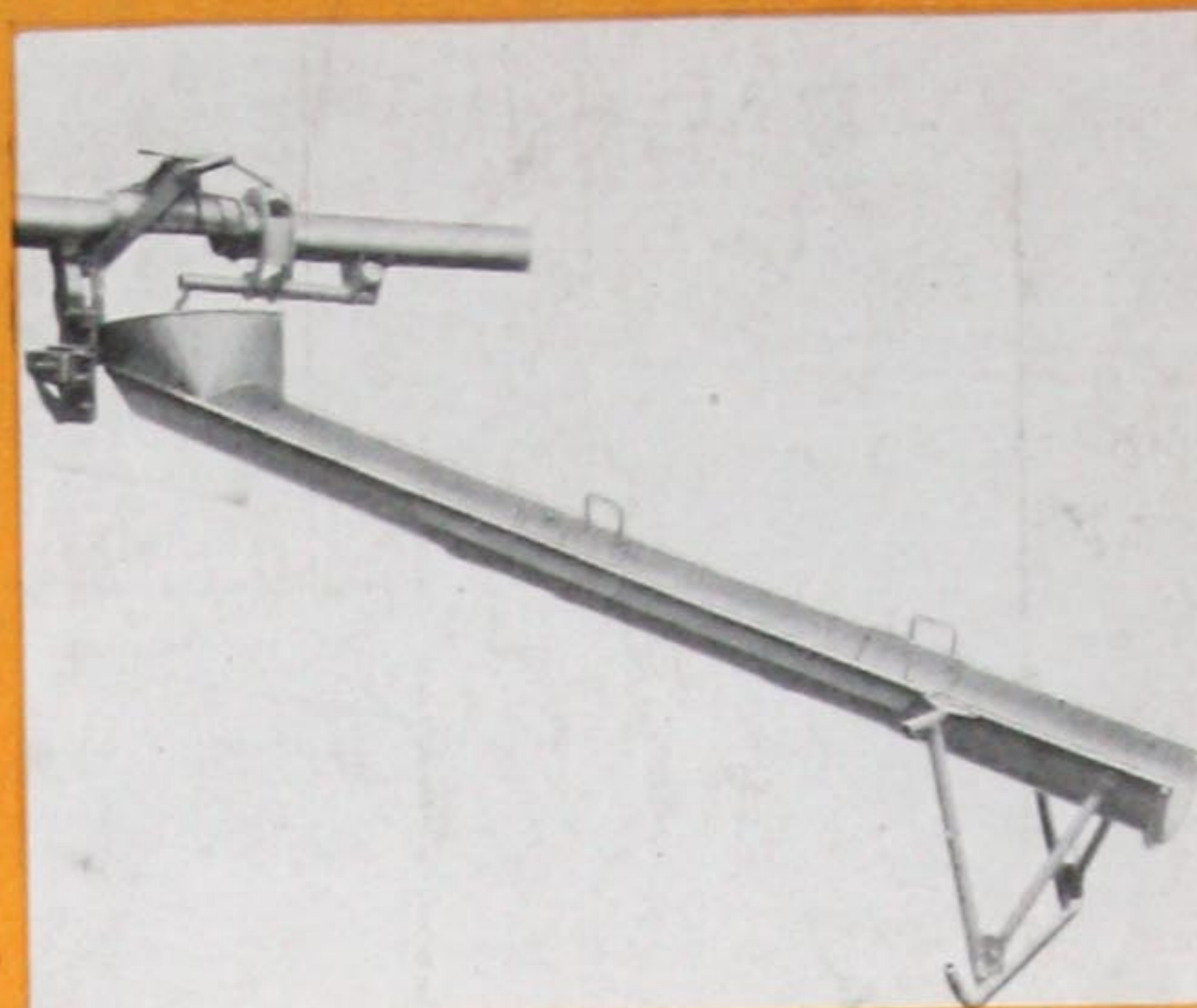
Pipeline sections and accessories available for placing concrete in all types of formwork from the simple to the complex. All elbows are bent to a 5 foot 2 inch radius.



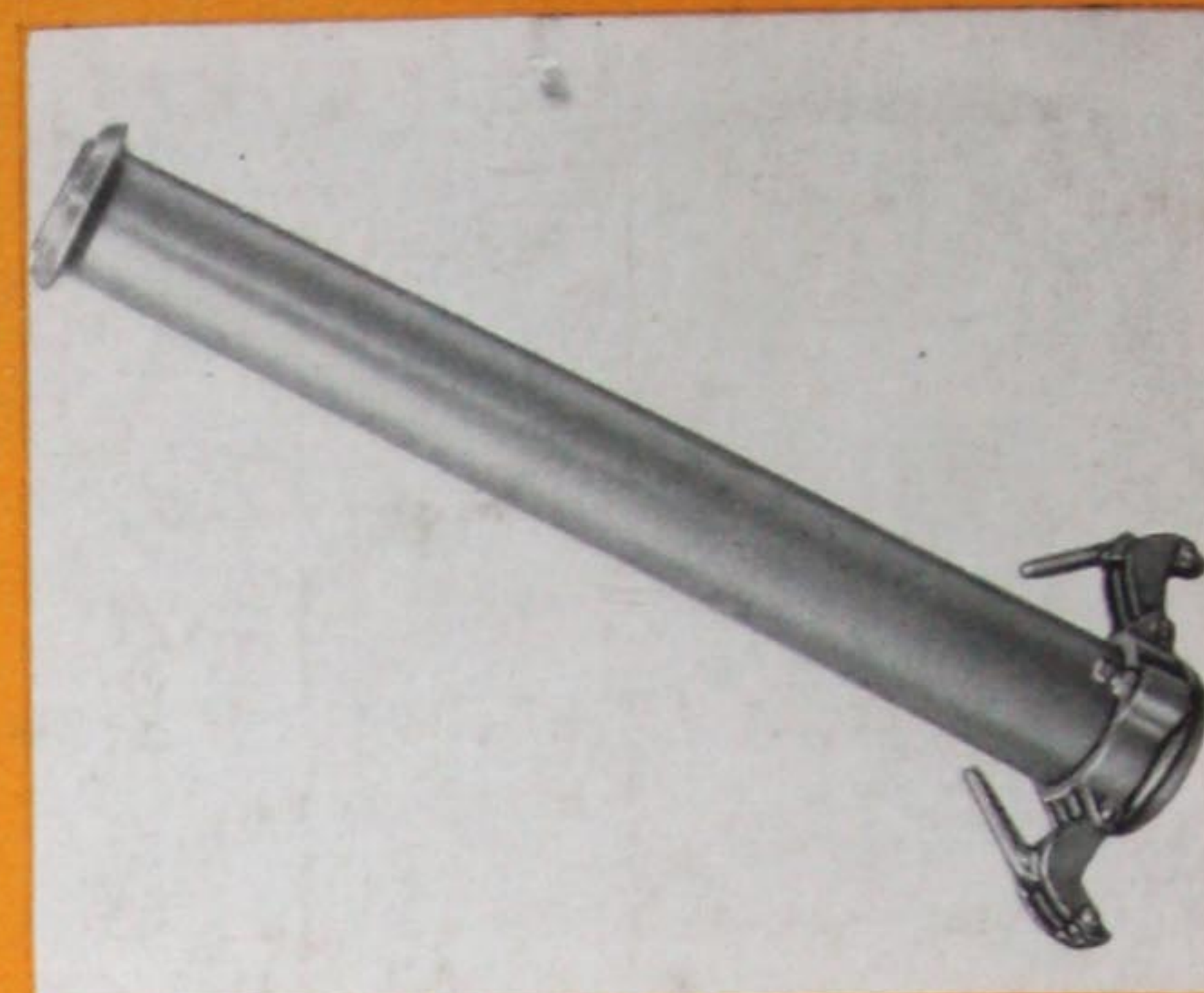
PIPELINE EQUIPMENT AND ACCESSORIES



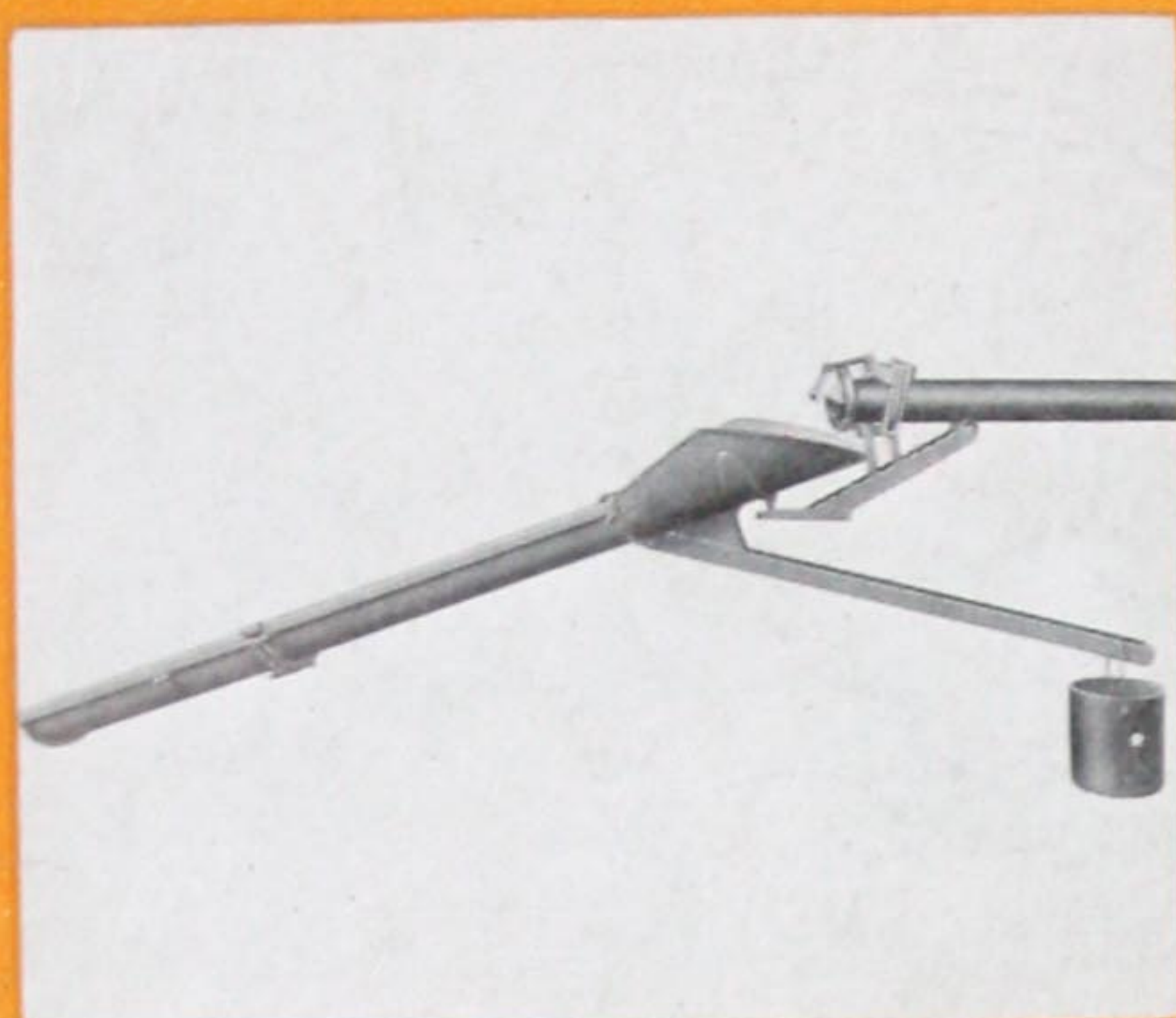
Siamese "Y" connection — for combining the flow of concrete from two cylinders into one pipe line.



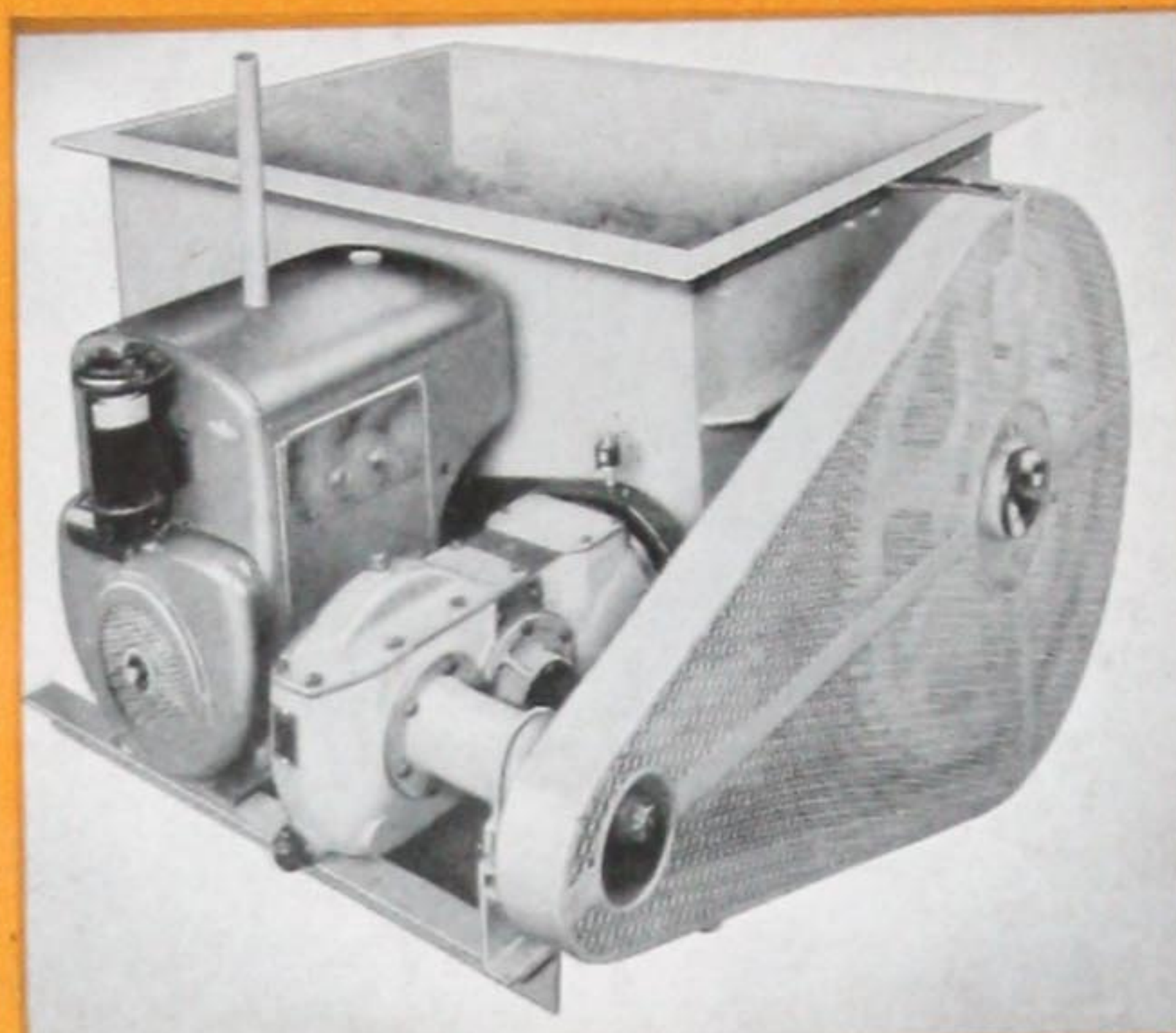
Distributing spout with gate section, roller hanger and foot used on all types of slab work.



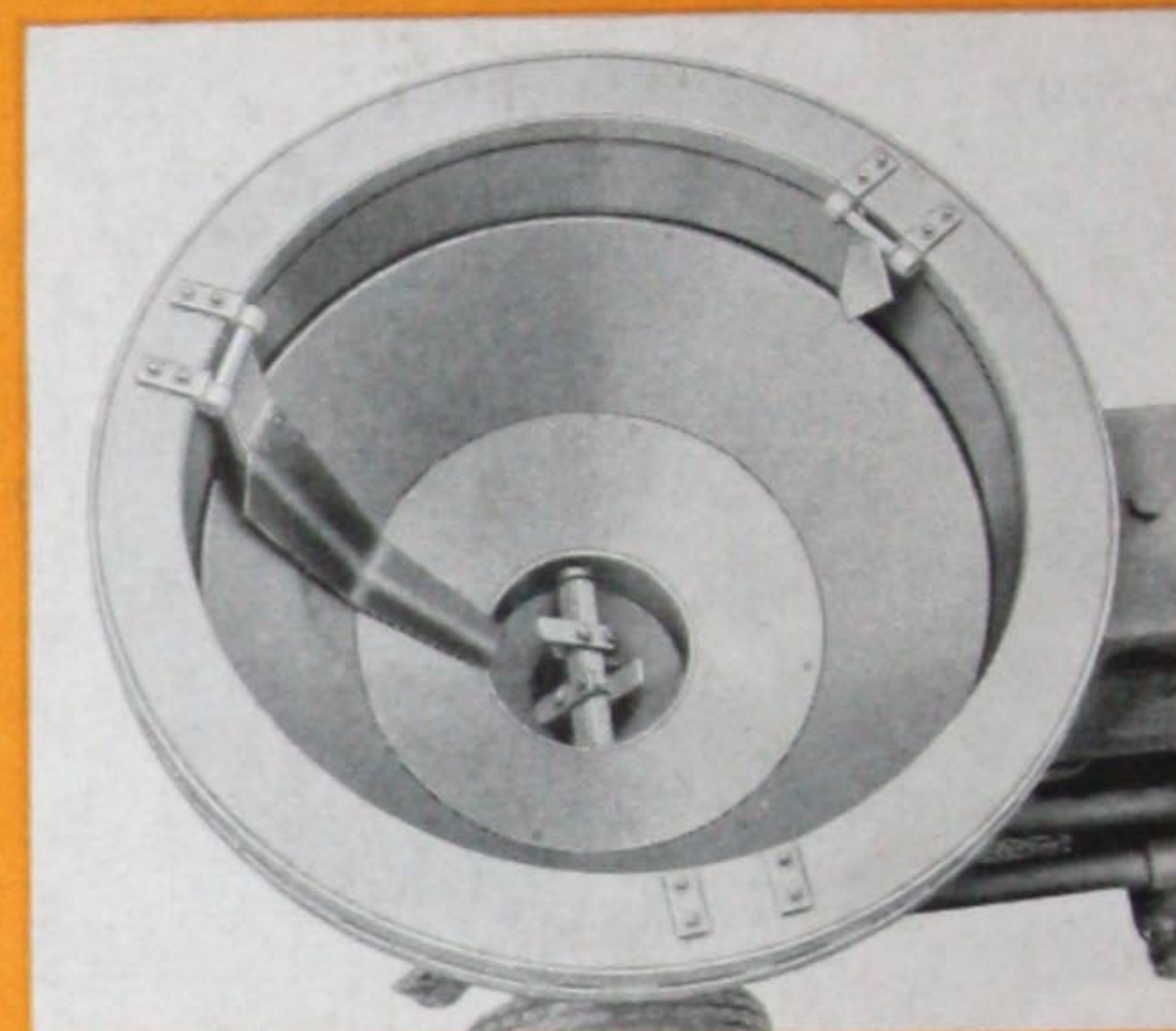
Tapered section used at the end of the Siamese "Y" connection to reduce it to normal pipe size.



Counterweighted chute with roller extension and roller hanger—an easy-to-handle chute.



Remixing hopper, to recondition concrete and to aid in uniformly feeding to the inlet valve.



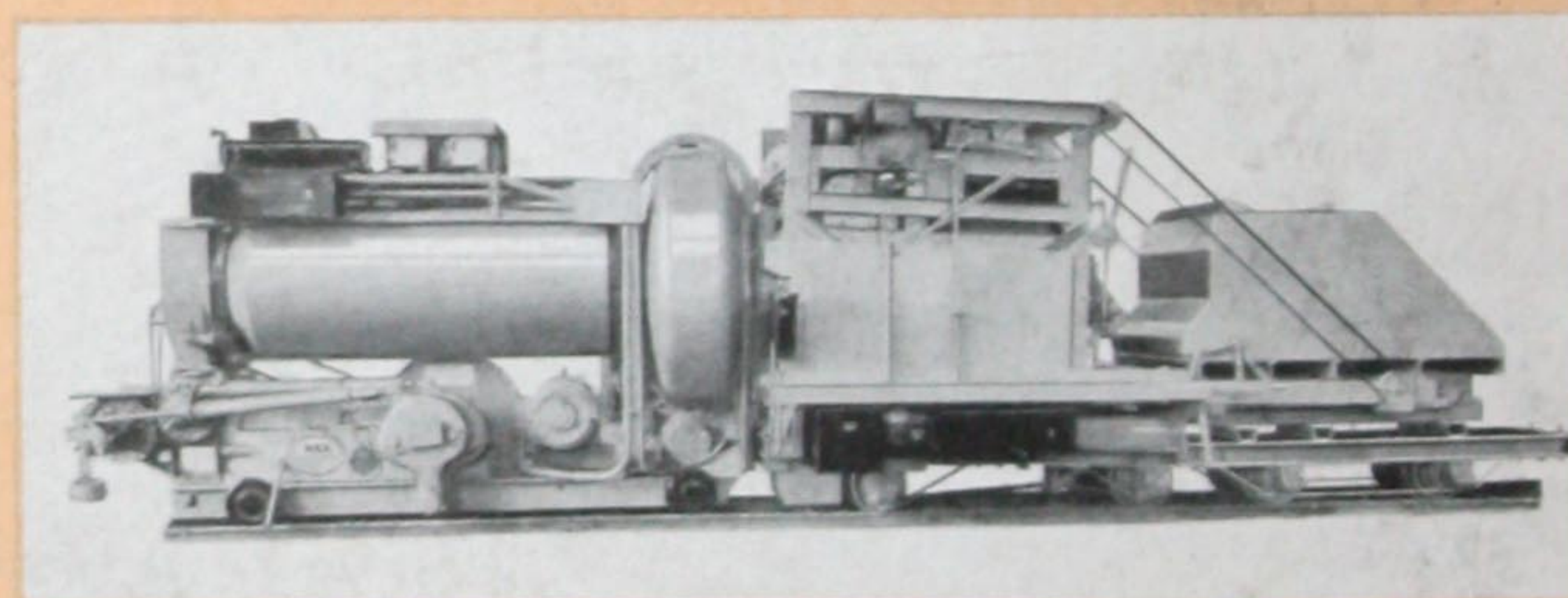
Rotary remixing hopper for use with 160 Single Rex Pumpcrete.

OVER 50 YEARS OF MAKING FRIENDS

That's the record of Chain Belt Company which was organized and began to sell to industry more than 50 years ago. To you this should mean one thing: Any company who every year for over 50 years convinces more and more wise buyers of the quality, soundness and ability of Rex products is a good, sound company for you to deal with. You can't go wrong when you bring your concrete pumping and placing problems to Chain Belt Company, where they will receive the personal attention of men who know construction machinery problems better than most.

Send for catalogs on any or all of the Rex equipment which interests you.

**PUMPCRETES . MIXERS . PUMPS . PAVERS
MOTO-MIXERS**



Pumpcrete tunnel liner with mixer and batch car.



**CHAIN BELT COMPANY
OF MILWAUKEE**

